STENO COMPARISON CHART

Even with diligent research, it can be difficult to compare machine shorthand theories sufficiently to get a good overview of their similarities or dissimilarities in writing principles or a realistic assessment of their relative stroke/key intensity. The Steno Comparison Chart beginning on page 8 can provide some answers.

"CONVENTIONAL" AND "NON-CONVENTIONAL" THEORIES

Of the theories included in the Steno Comparison Chart, StenEd, Computer Compatible Stenograph Theory, and Roberts/Walsh/Gonzales would be considered "conventional" theories. They've been in existence for decades and have been modified over the years to meet NCRA standards for computer compatibility. Phoenix Theory and Realwrite/Realtime are the "youngest" theories. They were created specifically for realtime writing, and they both make some departures from past "norms" and could be considered "non-conventional."

Phoenix Theory

Conventional theories conform steno strokes to vowel *spelling*: e.g., TERS, WORS, HERS, KURS, F*IRS; FRONT, SHUNT; KA/NAL, KOM/PLAIN; KAUL, KOL/UM; TAEUR, TER/EUBL; PAOER, PER/YOD; HOL/OE, SWAUL/OE.

Phoenix Theory writes vowels by *sound*, regardless of spelling: TURS, WURS, HURS, KURS, F*URS; FRUNT, SHUNT; KU/NAL, KUM/PLAIN; KAUL, KAUL/-M; TAIR, TAIRBL, PAOER, PAOER/Y-D; HAUL/OE, SWAUL/OE. (Note: Phoenix Theory uses AU for both the "au" and "aw" sounds. If you'd like to understand why, go to www.phoenixtheory.com, home page, Site News, and click "AU vs. O.")

The most-frequently-occurring vowel sound in *spoken* English is the schwa vowel sound (the soft, unstressed "uh" sound heard in *banana* [buh/NAN/uh], *canal* [kuh/NAL], *promote* [pruh/MOET], *collapse* [kuh/LAPS], etc.) Per Funk & Wagnall, the vast majority of all *ending* vowel-consonant syllables are correctly *pronounced* with a schwa vowel sound (e.g., *terrace* [TAIR/us], *villain* [VIL/un], *wallet* [WAUL/ut], *private* [PRIE/vut], *sandal* [SAND/ul], etc.).

Every English syllable includes a vowel sound. With very few exceptions, with conventional theories each steno stroke includes a vowel key or combination of vowel keys representing the *spelling* of the vowel, including the schwa vowel sound. However, the schwa vowel *sound* can be *spelled* 43 different ways! With conventional theories, unless the steno writer knows – and can recall at "on-the-job" speeds – the correct *vowel spelling*, their steno strokes will not match/translate against a spelling-dependent dictionary entry. Consequently, a dictionary entry for an *unfamiliar* word, or *any* word where the steno writer can't recall with certainty at realtime speeds which of the 43 ways a schwa vowel sound is *spelled*, is useless.

Phoenix Theory eliminates this sound/spelling dilemma by: (1) Stroking all schwa vowel sounds as U. Consequently, writers can write all words they can *hear* (not just those they can spell) with steno which will match/translate realtime against a pre-programmed dictionary entry. (2) Applying a patented vowel-omission principle eliminating the schwa vowel preceding final-side consonants *from all but the first syllable/stroke* of a word, further reducing spelling dependency and appreciably "shortening" shorthand. (Every English syllable includes a vowel sound. When reading Phoenix Theory steno, when the vowel has been omitted from a stroke, verbalize the omitted vowel as "uh.")

WORD	PRONUNC.	PHOENIX	CONVENTIONAL	WORD	PRONUNC.	PHOENIX	CONVENTIONAL
announce	uh/NOUNS	U/NOUNS	AI/NOUNS	random	RAND/um	RAND/-M	RAND/OM
canal	ku/NAL)	KU/NAL	KA/NAL	column	KOL/um	KAUL/-M	KOL/UM
content (adj.)	kun/TENT	KUN/TENT	KON/TENT	mortal	MORT/ul	MORT/-L	MOR/TAL
compare	kum/PAIR	KUM/PAIR	KOM/PAIR	chortle	KHORT/ul	KHORT/-L	KHORT/-L
parade	pu/RAID	PU/RAID	PA/RAID	fossil	FOS/ul	FAUS/-L	FOS/SIL
carouse	ku/ROUZ	KU/ROUZ	KA/ROUZ	capsule	KAP/sul	KAP/S-L	KAP/SUL
monotonous	mu/NAUT/nus	MU/NAUT/N-S	MON/OT/NOUS	melon	MEL/un	MEL/-N	MEL/LON
famous	FAIM/us	FAIM/-S	FAIM/OUS	stolen	STOEL/un	STOEL/-N	STOEL/-N
palace	PAL/us	PAL/-S	PAL/LAS	cabin	KAB/un	KAB/-N	KA/BIN
sinus	SIE/nus	SEU/N-S	SAOI/NUS	villain	VIL/un	VIL/-N	VIL/LAIN
treatise	TREET/us	TRAOET/-S	TRAOE/TIS	pastor	PAS/tur	PAS/T-R	PAS/TOR
Paris	PAIR/us	PAIR/-S	PAR/IS	starter	START/ur	START/-R	START/ER
malice	MAL/us	MAL/-S	MAL/IS	capture	KAP/khur	KAP/KH-R	KAP/KHUR
blatant	BLAIT/unt	BLAIT/-NT	BLAI/TANT	martyr	MART/ur	MART/-R	MART/ER
latent	LAIT/unt	LAIT/-NT	LAIT/ENT	scholar	SKOL/ur	SKAUL/-R	SKOL/LAR
sensible	SENS/ubl	SENS/-BL	SENS/-BL	pivot	PIV/ut	PIFB/-T	P*IF/OT
sentence	SEN/tuns	SEN/T-NS	SEN/TENS	rivet	RIV/ut	RIFB/-T	R*IF/ET
distance	DIS/tuns	DIS/T-NS	DIS/TANS	pirate	PIE/rut	PI/R-T	PAOI/RAT
portable	PORT/ubl	PORT/-BL	PORT/-BL	circuit	SUR/kut	SUR/K-T	SIR/KIT
modem	MOED/um	MOED/-M	MOE/DEM				

A very important fringe benefit of the VOP is that it creates an *automatic distinction* between vowel-consonant word **beginnings** (which are spoken with distinct long or short vowel sounds) and vowel-consonant word **endings** (which, with few exceptions, are correctly spoken with a schwa vowel sound) – thus eliminating the vast majority of all conflicts between word beginnings/word endings such as en-/-en, or-/-or, al-/-al, am-/-am, em-/-em, il-/-il, er-/-er, in/in-/-in, etc., **without** remembering/applying numerous rules or making shorthand "longer" by using devices such as adding an asterisk or KWR or SKWR to distinguish ending strokes.

The VOP also eliminates many one-word/two-word conflicts, some of which conventional theories have been unsuccessful in resolving. Examples:

WORD	PHOENIX (no conflict)	CONVENTIONAL STENO	POTENTIAL CONFLICT	WORD	PHOENIX (no conflict)	CONVENTIONAL STENO	POTENTIAL CONFLICT
bargain	PWAR/G-N	PWAR/GAIN	bar gain	adjust	AD/J*S	AD/J*US	ad just
helmet	HEL/M-T	HEL/MET	hell met	bigamist	BIG/M*S	BIG/M*IS	big mist
backward	BAK/W-RD	BAK/WARD	back ward	hamper	HAM/P-R	HAM/PER	ham per
tablet	TAB/L-T	TAB/LET	tab let	candid	KAN/D-D	KAN/DID	can did
legend	LEJ/-ND	LEJ/END	ledge end	morbid	MOR/B-D	MOR/BID	more bid
principals	PRINS/P-LZ	PRINS/PALS	prince pals	cartons	KAR/T-NZ	KAR/TONS	car tons
accident	AX/D-NT	AX/DENT	ax dent	catalyst	KAT/L*S	KAT/L*IS	cat list

chaplain	KHAP/LAIN	chap lain	KHAP/L-N	frequent	FRAOEK/W-NT	FRAOEK/WENT	freak went
comfort	KOM/FORT	come fort(ified)	KUM/F-RT	cattleman	KAT/-L/M-N	KAT/EL/MAN	cattle man
dampen	DAM/P-N	DAM/PEN	dam pen	mainland	MAIN/L-ND	MAIN/LAND	main land
deficit	DEF/S-T	DEF/SIT	deaf sit	outskirts	OUT/SK-RTS	OUT/SKIRTS	out skirts
dragon	DRAG/-N	DRAG/GON	drag on/drag gone	shotguns	SHAUT/G-NZ	SHOT/GUNS	shot guns
fraudulent	FRAUD/L-NT	FRAUD/LENT	fraud lent	cabinet	KAB/N-T	KAB/NET	cab net
gypsum	JIP/S-M	JIP/SUM	gyp sum	veteran	VET/R-N	VET/RAN	vet ran
hatred	HAIT/R-D	HAIT/RED	hate red	mantle	MAN/T-L	MAN/TEL	man tell
hectic	HEK/T-K	HEK/TIK	heck tick	thickened	THIK/-ND	THIK/END	thick end
jargon	JAR/G-N	JAR/GON	jar gone	starburst	STAR/B*RS	STAR/B*URS	star burst
juniper	JAOUPB/P-R	JAOUN/PER	June per	uppercut	UP/-R/K-T	UP/ER/KUT	upper cut
kindred	KIN/DR-D	KIN/DRED	kin dread	combust	KUM/B*S	KOM/B*US	come bust
metric	MET/R-K	MET/RIK	met Rick	stillbirth	STIL/B-RGT	STIL/BIRGT	still birth
western	W*ES/-RN	W*ES/ERN	west earn	tiresome	TAOIR/S-M	TAOIR/SOM	tire some
prodigals	PRAUD/G-LZ	PROD/GALS	prod gals	outcome	OUT/K-M	OUT/KOM	out come
redolent	RED/L-NT	RED/LENT	red lent	windburn	WIND/B-RN	WIND/BURN	wind burn
Spaniards	SPAN/Y-RDZ	SPAN/YARDZ	span yards	sunburnt	SUN/B-RNT	SUN/BURNT	sun burnt
tactile	TAK/T-L	TAK/TIL	tack till/tack tile	person	PER/S-N	PER/SON	per son
tinsel	TIN/S-L	TIN/SEL	tin sell	pestilent	P*ES/L-NT	P*ES/LENT	pest lent
versatile	VURS/T-L	VERS/TIL	verse till	lettuce	LET/-S	LET/US	let us
trustworthy	TR*US/W-RGT/AE	TR*US/WOR/THEU	trust worthy	compass	KUM/P-S	KOM/PAS	come pass

Realwrite/Realtime

Realwrite/Realtime is non-conventional in that its steno is uniquely *dependent* on spelling.

Scopists and notereaders sufficiently familiar with one theory can generally read all theories without too much difficulty/research. However, reading Realwrite/Realtime steno may be difficult without specific knowledge of some of Realwrite/Realtime's unique principles. Examples:

➢ Final side *c, sk, sm*, and *st* are **all** stroked –SZ. Writers are instructed to shift the right hand from home position and stroke the SZ with the right-hand ring finger and little finger). (Note: This principle appears to create stenonyms that writers must be aware of and avoid: e.g., cask/chasm, dusk/dust, musk/must, rusk/rust, whisk/whist, bust/busk, etc.)
➢ One-syllable words containing the vowel *a* and ending in *st* are stroked AESZ (to avoid stenonyms cast/cask, mast/mask, etc.)
➢ As separate strokes, -*ism* is stroked SKPWEUPL, –*ist* is stroked KWREUSZ (to avoid stenonyms for *realist/realism*, *capitalist/capitalism*, etc.).
➢ Final consonants that cannot be attached to the root word are stroked /AE(C).
➢ Final side H = FD.
➢ Final side Q = LGTS.
➢ Final side W = FRP.
➢ Final side X = FRPB.
➢ Final side Y = FPL.
➢ Initial side X = SKP.
➢ Initial side Z = SKPW.

- ➢ *awl* and *aul* spellings = AFRPL.
- ➢ *awn* spellings = AEPB.
- ➢ KWR must be included in **all** ending strokes beginning with a vowel.
- ➢ *Plurals, past tense*, and *–ing* endings are attached whenever possible. If a separate stroke is necessary, they are stroked AES, AED, AEG, respectively.
- ➢ "If the spelling of a word changes by forming the past tense, the new outline should reflect the new spelling" (e.g., try = TR-FPL; tried = TRAOEUD).
- ➢ Ending *y* or *ey* spellings are stroked AEFPL.
- ➢ Ending *ee* and *ie* spellings are stroked KWRAOE.
- ➢ Ending *th* sounds are stroked –TD or AETD. (When combined with the theory principle that –D (-ed) should be incorporated onto the end of words, this principle appears to create stenonyms which the writer must be aware of and avoid: e.g., bath/batted, bathe/baited, both/boated, cloth/clotted, doth/dotted, math/matted, path/patted, hearth/hearted, etc.)

The following chart will familiarize you with the application of these principles so you can more easily read the Realwrite/Realtime steno in the Steno Comparison Chart.

	Phoenix Theory	StenEd	CCST	RWG	RW/RT
		{	CONVENTIONAL THEORIES	}	
ice	AOEUS	AOEUS	AOEUS	AOEUS	AOEUSZ
dusk	TKUFBG	TKUS/-BG	TKUS/-BG	TKUFBG	TKUSZ
trust	TR*US	TR*US	TR*US	----------	TRUSZ
chasm	KAZ/-PL	KAFPL	KAZ/*PL	KAFPL	KHASZ
past	PA*S	PA*S	PA*S	PAFT	PAESZ
truest	TRAOU/-*S	TRAOU/*ES	----------	----------	TRAOUSZ
realist	RAOEL/-*S	RAEL/*EUS	----------	RAEL/EUFT	RAOEL/KWREUSZ
truism	TRAOU/-FPL	TRAOU/EUFPL	TRAOU/EUFPL	----------	TRAOU/SKPWEUPL
jump	SKWRUFPL	SKWRUFRP	SKWRUFRP	SKWRUPL/-P	SKWRUPL/AEP
folk	TPOEBG	TPOEBG	TPOEBG	TPOEBG	TPOEL/AEBG
film	TPEUL/-PL	TPEUL/-PL	TPEUL/-PL	TPEUL/-PL	TPEUL/AEPL
lunch	HRUFRPB	HRUFRPBLG	HRUFRPBLG	HRUFRPBLG	HRUPB/AEFP
march	PHAFRP	PHA*RPBLG	PHAFRPB	PHAR/-FP	PHAR/AEFP
high	HAOEU	HAOEU	HAOEU	HAOEU	HAOEUFD
sighed	SAOEU/-D	SAOEU/-D	SAOEU/-D	SAOEU/-D	SAOEUFD/AED
new	TPHAOU	TPHU	TPHU	TPHU	TPHEFRP
show	SHOE	SHOE	SHOE	SHOE	SHOEFRP
cows	KOU/-Z	KOU/-Z	KO*US	KOU/-Z	KOFRPZ
bowl	PWOEL	PWOUL	PWOEL	PWOEL	PWOEFRPL
law	HRAU	HRAU	HRAU	HRAU	HRAFRP
drawl	TKRAUL	TKRAUL	TKRAUL	TKRAUL	TKRAFPL
lawn	HRAUPB	HRAUPB	HRAUPB	HRAUPB	HRAEPB
haul	HAUL	HAUL	HAUL	HA*UL	HAFRPL
way	WAEU	WAEU	WAEU	WAEU	WAEUFPL
boys	PWOEU/-Z	PWOEU/-S	PWOEUS	PWOEU/-Z	PWOFPLZ
try	TRAOEU	TRAOEU	TRAOEU	TRAOEU	TR-FPL
tried	TRAOEU/-D	TRAOEU/-D	TRAOEUD	TRAOEU/-D	TRAOEUD
sky	SKAOEU	SKAOEU	SKAOEU	SKAOEU	SK-FPL
skies	SKAOEU/-Z	SKAOEU/-S	SKAOEUS	SKAOEU/-Z	SKAOEUZ
played	PHRAEU/-D	PHRAEU/-D	PHRAEUD	PHRAEU/-D	PHRAFPLD
playing	PHRAEU/-G	PHRAEU/-G	PHRAEUG	PHRAEU/-G	PHRAFPL/AEG
die	TKAOEU	TKAOEU	TKAOEU	TKAOEU	TKAOEU

dying	TKAOEU/-G	TKAOEU/-G	TKAO*EUG	TKAOEU/-G	TK-FPLG
bath	PWAGT	PWA*T	PWA*T	PWA*PBLG	PWATD
faith	TPAEUGT	TPA*EUT	TPA*EUT	TPAEUPBLG	TPAEUTD
cloth	KHRAUGT	KHRO*T	KHRO*T	KHROPBLG	KHROTD
deeded	TKAOED/-D	TKAOED/-D	TKAOED/-D	TKAOED/-D	TKAOED/AED
mixed	PHEUBGS/-D	PHEUBGS/-D	PHEUBGS/-D	PHEUFPL/-D	PHEUFRPBD
voted	SROET/-D	SROET/-D	SROETD	SROET/-D	SROET/AED
houses	HOUS/-Z	HOUS/-S	HOUSZ	HOUS/-Z	HOUS/AEZ
winning	WEUPB/-G	WEUPB/-G	WEUPB/-G	WEUPB/-G	WEUPB/AEG
apple	AP/-L	AP/-L	AP/PEL	A*P/-L	AP/AEL
sample	SAPL/P-L	SAFRPL	SAFRPL	SAPL/-PL	SAPL/PAEL
committee	KPHEUT/AE	KPHEUT/TAOE	KPHEUT/A*E	KPHEUT/AOE	KPHEUT/KWRAOE
sadly	SAD/HRAE	SAD/HREU	----------	SAD/HREU	SAD/HRAEFPL
baby	PWAEUB/AE	PWAEU/PWEU	PWAEUB/AOE	PWAEUB/KWRU	PWAEUB/AEFPL
soda	SOED/AU	SOE/TKA	SO/TKA	----------	SOED/KWRA
rabbit	RAB/-T	RABT	RABT	RAB/EUT	RAB/KWREUT
message	PHES/-PBLG	PHESZ/APBLG	PHES/A*PBLG	PHES/APBLG	PHES/KWRAPBLG
coffee	KAUF/AE	KOF/TPAOE	KOF/A*E	KOF/AOE	KOF/KWRAOE
Robert	RAUB/-RT	ROB/ERT	ROB/*ERT	----------	ROB/KWRERT
yellow	KWREL/OE	KWREL/HROE	KWREL/O*E	KWR*EL/OE	KWRE/HROEFRP
eaten	AOET/-PB	AOET-PB	AOET/*EPB	AOET/EPB	AOET/KWREPB
notable	TPHOET/-BL	TPHOET/-BL	TPHOET/-BL	TPHOET/-BL	TPHOET/KWRABL
sensible	SEPBS/-BL	SEPBS/-BL	SEPBS/-BL	SEPBS/EUBL	SEPBS/KWREUBL
sensibility	SEPBS/-BLT	SEPBS/-BLT	SEPBS/-BLT	SEPBS/EUBLT	SEPBS/KWREUBLT
pencil	PEPBS/-L	PEPB/SEUL	PEPB/SEUL	PEPBS/EUL	PEPBS/KWREUL
Newark	TPHAOURBG	TPHAOURBG	TPHAOU/ARBG	TPHAOU/ARBG	TPHEFRP/KKWRARBG
boyish	PWOEU/-GS	PWOEU/EURB	----------	PWOEU/EURB	PWOFPL/KWREURB
lemon	HREPL/-PB	HREPL/O*PB	HREPL/O*PB	HREPL/KWRAOPB	HREPL/KWROPB
waken	WAEUBG/-PB	WAEUBG/-PB	----------	----------	WAEUBG/KWREPB
vigor	SREUG/-R	SREU/TKPWOR	SREUG/O*R	SREUG/KWRAOR	SREUG/KWROR
dresser	TKRESZ/-R	TKRESZ/ER	TKRES/*ER	TKRES/-R	TKRES/KWRER
heavier	HEFB/KWR-R	H*EF/KWRER	HEFB/KWRER	HEF/KWRER	HEFB/KWRAER
busiest	PWEUZ/KWR*S	PWEUZ/KWR*ES	PWUS/KWR*ES	PWEUZ/KWREFT	PWEUZ/KWRAESZ
minor	PHEU/TPH-R	PHAOEU/TPHOR	PHEUPB/O*R	PHAOEUPB/KWRAOR	PHAOEUPB/KWROR
senior	SAOEPB/KWR-R	SAOEPB/KWROR	SAOEPB/KWROR	SAOEPB/KWROR	SAOEPB/KWRAOR
jealous	SKWREL/-S	SKWREL/OUS	SKWREL/HRUS	SKWREL/OUS	SKWREL/KWROUS
mature	PHU/TAOUR	PHA/KHUR	PHA/TAOUR	PHAT/KWRAOUR	PHAT/KWRUR
leather	HREGT/-R	HR*ET/ER	HR*ET/*ER	HRAEPBLG/ER	HRETD/KWRER

SOURCE FOR VOCABULARY WORDS:

The vocabulary words used in the Steno Comparison Chart are taken from Exercises 378 - 381 of Fast Track to Realtime Writing (1998). These exercises were designed as a compact but comprehensive theory review/reinforcement, with the vocabulary words chosen solely for the purpose of covering the spectrum of English sounds/word structures a steno writer must be capable of writing. The specific words used to represent any particular sound/word structure are simply the first words that came to mind or showed up in a word search for words containing that specific sound/word structure. I believe these words are appropriate for a steno comparison chart because:

> They cover the gamut of English structure and provide a means for the reader to get a more complete overview of how each theory covers each increment of sound/spelling. I.e., what key combinations do the various theories use for initial Z, shr-; final –th, -sh, -st, -nk, -nj, -nch, -rch, -mp, -ism, ending eeh sound, etc.?

- These vocabulary words *do* constitute a very condensed but quite comprehensive theory review/reinforcement exercise for any steno writer. If your theory includes all the principles necessary to write these words, you have a comprehensive theory. If you have a comprehensive grasp of your theory principles, you should be able to write each word almost intuitively for realtime translation without grabbing for a theory book or reference dictionary.

- The list of words was created several years ago for an entirely different purpose, and the words were selected solely to cover the gamut of English word structures; consequently, it cannot be skewed – or misconstrued – to portray any theory more favorably than any other theory.

SOURCE FOR STENO

Steno outlines for each theory are taken from a Reference Dictionary or translation dictionary published by the respective theories. The Roberts/Walsh/Gonzales dictionary contains one entry for each vocabulary word (either a brief *or* a steno entry for stroking the word out). The Phoenix Theory, StenEd, Computer Compatible Stenograph Theory, and Realwrite/Realtime dictionaries contain multiple stroking options for many words. Where multiple stroking options were available, a conscientious effort was made to use the shortest steno option shown for each theory – including any broadly applied shortcutting techniques but *excluding brief forms*.

A scan through the dictionaries published for these theories indicates that both StenEd and Phoenix Theory provide significantly more brief forms than the other theories included in the Theory Comparison Chart. Consequently, including brief forms in the steno on the chart could significantly slant any perception of stroke/key-intensity in favor of StenEd and Phoenix Theory. Also, it could give prospective students the *misimpression* that using every available brief is desirable/recommended and/or that StenEd and Phoenix Theory are "easier" because "they have so many shortcuts available." The number of briefs a theory does or does not provide is *not* a barometer of how conflict-free, computer-compatible, or realtime ready the theory is or even its degree of difficulty to learn/write. Every steno writer who has a good grasp of their theory is capable of creating, and free to create, a brief for any word where they feel a need; and if they run out of imagination, there are books available devoted totally to lists of briefs.

It should be noted that with the exception of a limited number of primarily one-syllable words that *must* be written with briefs to avoid conflicts with needed word parts (e.g., *it, the, am, for, I, you*, etc.), all Phoenix Theory briefs are *optional*; the dictionary will translate the word whether written as a brief or stroked out. Every writer makes a personal decision as to which and how many briefs they have the need/ability to memorize, recall, and use to real advantage at working speeds. A cursory review of the StenEd Reference Dictionary indicates this is also the case with StenEd. However, with CCST, R/W/G, and RW/RT, no alternative is available in the tran dict for stroking out either all or the majority of words if there's a brief available, making rote memorization/use of those briefs mandatory.

STENO COMPARISON CHART

The Steno Comparison chart contains 745 vocabulary words, all of which translate against the Phoenix Theory dictionary. If a word is unavailable in a theory's dictionary, it is indicated with dashes (-----) in that steno column and excluded from the comparison. If only a mandatory brief is available, it is noted "(mandatory brief)" in the steno column and also excluded from comparison. (The fact that a theory's tran dict supports stroking a word out does *not* mean the theory doesn't also have an optional brief for that word.)

STROKE/KEY COUNT

Each steno outline in the chart is followed by two numbers separated by a slash (/). The figures represent: **number of strokes/number of keys** for that steno entry.

PLURALS, PAST TENSE, -ING ENDINGS

Although not a "requirement" for NCRA approval, the Theory Review Task Force has strongly recommended that *plurals, past tense*, and *–ing* endings not be incorporated onto the root word.

➢ Incorporating these endings onto root words creates a lengthy list of conflicts: e.g., rowing/rogue, playing/plague, sinning/sing, billing/bilge, tolled/told, fined/find, warred/ward, helled/held, gilled/guild, brays/braise, frees/freeze, hoes/hose, rues/ruse, etc. The list is indeed very lengthy, the conflicts can be difficult to recognize, anticipate, and avoid; and at best, efforts to do so while writing distract from the ability to concentrate on the whole picture of making the best possible record.

➢ Less-than-perfect stroking at high speeds can result in dragging an unwanted –D, -G, -S/-Z into a stroke, resulting in an error. The hypothesis is that if these endings are stroked *separately*, you can distinguish with certainty between stroking errors and desired *–ed, -ing*, and *–s/es* endings. (Of course, if you do drag an unwanted –D, -G, or -S/-Z into a stroke, it will still result in a mistranslation or incorrect translation unless you have that *misstroke* programmed into your dictionary.)

Phoenix Theory meets the intent of the guideline: -D, -G, and -Z endings *can* be added in a separate stroke, an option which writers with a tendency to drag extraneous keys into steno outlines should follow. However, writers can also avoid many unnecessary strokes by incorporating these endings onto ending strokes from which the vowel has been omitted, with no possibility of creating the conflicts which the NCRA guideline is designed to avoid. E.g., FILT/-RG, FILT/-RD, FILT/-RZ, HAZ/-RDZ, WEL/K-MZ, KUP/-LZ, PAT/-NTS, SIG/N-LD, KUS/T-MZ, TRIP/L-TS, GAR/L-NDZ, K*US/PH-RZ, WHIS/P-RD, KAP/T-LZ, SIN/D-RZ, KUS/T-RDZ, MO/G-LZ, PAN/TH-RZ, SPES/M-NZ, etc.

CCST and RW/RT *don't* follow this NCRA guideline; StenEd and R/W/G *do* follow the guideline. This can significantly and unfairly skew the results when comparing the relative stroke intensity. When comparing steno outlines, the impression given is that there must be something about StenEd and R/W/G that makes these separate strokes *necessary* for writers of *those* theories but that they are *not necessary* with CCST and RW/RT. In fact, the added strokes are no more *necessary* for StenEd and R/W/G writers than they are for those writing CCST and RW/RT. If StenEd and R/W/G were to also ignore the NCRA guideline, consequences to writers of those theories would be comparable to those experienced by writers of CCST and RW/RT. **When making comparisons between steno outlines for words ending in *–ed, -s/es,* or *-ing*, comparing the number of _keys_ required for the respective steno outlines is a more valid comparison than comparing the number of _strokes_.**

	Phoenix Theory	StenEd	CCST	RWG	RW/RT
conceited	KUPB/SAOET/-D 3/10	KOPB/SAOET/-D 3/10	----------	KO*PB/SAOET/-D 3/11	----------
conspired	KUPB/SPAOEUR/-D 3/12	KOPB/SPAOEUR/-D 3/12	----------	KO*PB/SPAOEUR/-D 3/13	(mandatory brief)
compacted	KUPL/PABGT/-D 3/10	KOPL/PABGT/-D 3/10	KOPL/PABGD 2/9	KPABGT/-D 2/7	----------
compounding	KUPL/POUPBD/-G 3/11	KPOUPBD/-G 2/8	KPOUPBD/-G 2/8	KPOUPBD/-G 2/8	KOPL/POUPBD/AEG 3/13
promotes	PRU/PHOETS 2/9 PRO/PHOETS	PRO/PHOET/-S 3/9	PRO/PHOETS 2/9	PRO*E/PHOET/-Z 3/11	PRO/PHOETS 2/9
provokes	PRU/SROEBG/-Z 3/10 PRO/SROEBG/-Z	PRO/SROEBG/-S 3/10	PRO/SROEBG/-S 3/10	PRO*E/SROEBG/-D 3/12	----------
opposed	U/POEZ/-D 3/6 O/POEZ/-D	O/POEZ/-D 3/6	OE/POEZ/-D 3/7	O*E/POEZ/-D 3/8	O/POEZ/AED 3/8
amazed	U/PHAEUZ/-D 3/8	AEU/PHAEUZ/-D 3/10	AEU/PHAEUZ/-D 3/10	A/PHAEUZ/-D 3/8	----------
journal	SKWRURPBL 1/9	SKWRURPBL 1/9	SKWRURPBL 1/9	SKWRURPBL 1/9	----------
nocturnal	TPHAUBG/T-RPBL 2/12	TPHOBG/TURPBL 2/12	TPHOBG/TAOURPBL 2/14	TPHOBGT/URPB/AL 3/13	----------
perfume	PUR/TPAOUPL 2/10	PER/TPAOUPL 2/10 [1]	PER/TPAOUPL 2/10 [1]	PER/TPAOUPL 2/10 [1]	----------
perplexed	PUR/PHREBGS/-D 3/11	PER/PHREBGS/-D 3/11	PER/PHREBGS/-D 3/11	PER/PHREFPL/-D 3/11	PER/PHREFRPBD 2/12
cursor	KURS/-R 2/5	KUR/SOR 2/6	KURS/O*R 2/7	KURS/KWRAOR 2/10	----------
burner	PWURPB/-R 2/7	PWURPB/-ER 2/8	PWURPB/*ER 2/9	PWURPB/ER 2/8	-----------
slumber	SHRUPL/PW-R 2/9	SHRUPL/PWER 2/10	----------	----------	----------
burglar	PWURG/HR-R 2/8	PWURG/HRAR 2/9	PWURG/HRAR 2/9	PWURG/HRAR 2/9	PWURG/HRAR 2/9
partner	PART/TPH-R 2/8	PART/TPHER 2/9	PART/TPHER 2/9	PART/TPHER 2/9	PART/TPHER 2/9
milker	PHEUL/-BG/-R 3/8	PHEUL/-BG/ER 3/9	----------	----------	----------
transfer	TRAPBZ/TP-R 2/9	TRA*PBS/TPER 2/11	TRAPBZ/TPER 2/10	TRAPBS/TPER 2/10	TRAPBS/TPER 2/10
filmer	TPEUL/-PL/-R 3/8	TPEUL/-PL/ER 3/9	----------	----------	----------
scalper	SKAL/P-R 2/6	SKAL/-P/ER 3/7	----------	----------	----------
rupture	RUP/KH-R 2/6	RUP/KHUR 2/7	RUP/TAOUR 2/8	----------	----------
cousin	KUZ/-PB 2/5	KUZ/-PB 2/5	KUZ/*EUPB 2/8	KUZ/EUPB 2/7	KOUS/KWREUPB 2/11
stolen	STOEL/-PB 2/7	STOEL/-PB 2/7	STOEL/*EPB 2/9	STOEL/EPB 2/8	STOEL/AEPB 2/9
brutal	PWRAOUT/-L 2/8	PWRAOU/TAL 2/9	PWRAOUT/*L 2/9	PWRAOUT/AL 2/9	----------
fragile	TPRAPBLG/-L 2/9	TPRA/SKWREUL 2/11	TPRAPBLG/*EUL 2/12	TPRAPBLG/KWRAOEUL 2/16	----------
cancel	KAPBS/-L 2/6	KAPBS/EL 2/7	KAPBS/*EL 2/8	KAPBS/EL 2/7	KAPB/SEL 2/7 [49]
wreckage	WREBG/-PBLG 2/9	WREBG/APBLG 2/10	WREBG/APBLG 2/10	WREBG/APBLG 2/10	----------
sewage	SAOU/-PBLG 2/8	SAOUPBLG 1/8	SAOUPBLG 1/8	----------	----------
sinus	SAOEUPB/-S 2/8	SAOEU/TPHUS 2/10	SAOEU/TPHUS 2/10	----------	SAOEUPB/US 2/9 [50]
focus	TPOEBG/-S 2/7	TPOE/KUS 2/7	TPOE/KUS 2/7	TPOEBG/KWRUS 2/11	TPOEBG/KWRUS 2/11
target	TARG/-T 2/5	TARGT 1/5	TARG/ET 2/6	----------	TARGT 1/5
ticket	TEUBG/-T 2/6	TEUBGT 1/6	TEUBGT 1/6	----------	TEUBGT 1/6
panic	PAPB/-BG 2/6	PAPB/EUBG 2/8	PAPB/*EUBG 2/9	PAPB/EUBG 2/8	PAPB/KWREUBG 2/11
chronic	KRAUPB/-BG 2/8	KROPB/EUBG 2/9	KROPB/*EUBG 2/10	KROPB/EUBG 2/9	KROPB/KWREUBG 2/12
bottom	PWAUT/-PL 2/7	PWOT/OPL 2/7	PWOT/OPL 2/7	PWOT/OPL 2/7	(mandatory brief)
modem	PHOED/-PL 2/7	PHOE/TKEPL 2/9	PHOE/TKEPL 2/9	PHOED/EPL 2/8	----------
hubbub	HUB/-B 2/4	HUB/PWUB 2/7	----------	----------	----------
cherub	KHAEUR/-B 2/7	KHER/UB 2/6	----------	KHER/UB 2/6	----------
spinach	SPEUPB/-FP 2/8	----------	SPEUPB/AFP 2/9	SPEUPB/AFP 2/9	----------
wallop	WAUL/-P 2/5	WAL/OP 2/5	----------	WAUL/OP 2/6	----------
stirrup	STUR/-P 2/5	STEUR/RUP 2/8	STEUR/RUP 2/8	----------	----------
appendix	U/PEPBD/-BGS 3/9	AEU/PEPBD/EUBGS 3/13	AP/PEPB/TKEUBGS 3/13	A/PEPBD/EUFPL 3/11	----------
suffix	SUF/-BGS 2/6	SUF/EUBGS 2/8	SUF/*EUBGS 2/9	----------	----------
sheriff	SHAEUR/-F 2/7	SHER/REUF 2/8	SHER/EUF 2/7	SHER/EUF 2/7	SHAEUR/EUF 2/9
pontiff	PAUPBT/-F 2/7	POPB/TEUF 2/8	----------	POPBT/EUF 2/8	----------

	Phoenix Theory	StenEd	CCST	RWG	RW/RT
mirror	PHAOER/-R 2/7	PHEUR/ROR 2/8	PHEUR/O*R 2/8	PHEUR/KWRAOR 2/11	PHEUR/KWROR 2/10
spirit	SPAOERT 1/7	SPAOERT 1/7	SPEURT 1/6	SPEUR/EUT 2/8	SPEURT 1/6
empiric	EPL/PAOERBG 2/10	EPL/PEUR/EUBG 3/11	----------	*EPL/PEUR/EUBG 3/12	----------
vampiric	SRAPL/PAOERBG 2/12	----------	----------	----------	----------
more	PHOER 1/5	(mandatory brief)	PHOR 1/4 [29]	PHOR 1/4 [29]	PHOR 1/4
store	STOER 1/5	STOR 1/4	STOR 1/4	STOR ¼	STOR 1/4
implore	EUPL/PHROER 2/10	EUPL/PHROER 2/10	EUPL/PHROR 2/9	*EUPL/PHROR 2/10	EUPL/PHROR 2/9
rapport	RU/POER 2/6	RA/POR 2/5	RAP/POR 2/6	RA/POR 2/5	RA/POR 2/5
ordain	OR/TKAEUPB 2/9	O*R/TKAEUPB 2/10	OR/TKAEUPB 2/9	O*ER/TKAEUPB 2/11	OR/TKAEUPB 2/9
organic	OR/TKPWAPB/-BG 3/11	O*R/TKPWAPB/EUBG 3/14	OR/TKPWAPB/*EUBG 3/14	ORG/APB/EUBG 3/10	OR/TKPWAPB/KWREUBG 3/16
course	KORS 1/4	KOURS 1/5	KORS 1/4	KORS ¼	KOURS 1/5
force	TPORS 1/5	TPORS 1/5	TPORS 1/5	TPORS 1/5	TPORS 1/5
portray	POR/TRAEU 2/8	POR/TRAEU 2/8	POR/TRAEU 2/8	POR/TRAEU 2/8	----------
morphine	PHOFR/AOEPB 2/10	PHOR/TPAOEPB 2/11	PHOR/TPAOEPB 2/11	PHO*R/TPAOEPB 2/12	PHOR/TPAOEPB 2/11
torpedo	TOR/PAOED/OE 3/10	TOR/PAOE/TKOE 3/11	TOR/PAOED/O*E 3/11	----------	----------
corpuscle	KOR/P-S/-L 3/6	KOR/PUS/-L 3/7	----------	KOR/PUS/-L 3/7	----------
horrify	HOR/TPAOEU 2/9	HOR/TPEU 2/7	----------	HOR/TPAOEU 2/9	----------
caloric	KU/HROERBG 2/9 KA/HROERBG	KA/HROERBG 2/9	KHROR/*EUBG 2/10	KAL/KWRAOR/EUBG 2/13	----------
euphoric	KWRAOU/TPOERBG 2/13	KWRAOU/TPOERBG 2/13	AOU/TPOR/*EUBG 3/12	AOU/TPOR/EUBG 3/11	----------
achieving	U/KHAOEFB/-G 3/9	AEU/KHAO*EF/-G 3/11	AEU/KHAOEFBG 2/11	A/KHAOEF/-G 2/8	----------
approves	U/PRAOUFBZ 2/9	AEU/PRO*F/-S 3/9	AEU/PROFBS 2/9	A/PROF/-Z 3/6	U/PROFBZ 2/7
permissive	PUR/PHEUS/-FB 3/10	PER/PHEUSZ/*EUF 3/13 [2]	PER/PHEUS/-FB 3/10 [2]	PERPL/EUS/EUF 3/11	----------
relative	REL/T-FB 2/6	REL/T*EUF 2/8	REL/TEUFB 2/8	REL/TEUF 2/7	REL/TEUFB 2/8
carved	KAFRB/-D 2/6	KAR/*FD 2/6	KAFRBD 1/6	KAFRB/-D 2/6	----------
conserve	KUPB/S-FRB 2/8	KOPB/SEFRB 2/9	KOPB/SEFRB 2/9	KO*PB/SEFRB 2/10	KOPB/SEFRB 2/9
movers	PHAOUFRBZ 1/9	PHO*FR/-S 2/7	PHOFRS 1/6	PHOFR/-Z 2/6	----------
never	TPHEFRB 1/7	TPHEFR 1/6	TPHEFR 1/6	TPHEFR 1/6	TPHEFR 1/6
haste	HA*EUS 1/6	HA*EUS 1/6	HA*EUS 1/6	----------	HAEUSZ 1/6
boast	PWO*ES 1/6	PWO*ES 1/6	PWO*ES 1/6	PWOEFT 1/6	----------
vestige	SRES/T-PBLG 2/9	SRES/TEUPBLG 2/11	----------	----------	----------
hostess	HO*ES/-S 2/6	HOES/TESZ 2/8	HOES/TES 2/7	----------	----------
faster	TPA*S/-R 2/6	TPA*S/ER 2/7	TPAS/TER 2/7	TPAFT/ER 2/7	----------
realist	RAOEL/*S 2/7	RAOEL/*EUS 2/9	----------	RAEL/EUFT 2/8	----------
warmest	WARPL/*S 2/7	WARPL/*ES 2/8	WARPL/*ES 2/8	----------	----------
wish	WEUGS 1/5	WEURB 1/5	WEURB 1/5	WEURB 1/5	WEURB 1/5
flash	TPHRAGS 1/7	TPHRARB 1/7	TPHRARB 1/7	TPHRARB 1/7	TPHRARB 1/7
pleasure	PHREGS/-R 2/7	PHRERB/SHUR 2/10	PHRES/AOUR 2/9	PHRERB/KWRAOUR 2/13	(mandatory brief)
seizure	SAOEGS/-R 2/7 SAOEZ/KWR-R	SAOEZ/SHUR 2/9 SAOEZ/KWRUR	SAOEZ/AOUR 2/9	----------	SAOEZ/AOUR 2/9
vanish	SRAPB/-GS 2/7	SRAPB/EURB 2/9	SRAPB/*EURB 2/10	SRAPB/EURB 2/9	----------
cherish	KHAEUR/-GS 2/8	KHER/EURB 2/8	KHER/*EURB 2/9	KHER/EURB 2/8	----------
vicious	SREUGS/-S 2/7	SREURBS 1/7	SREURBS 1/7	SREURBS 1/7	SREURBS 1/7
spacious	SPAEUGS/-S 2/8	SPAEURBS 1/8	SPAEURBS 1/8	SPAEURBS 1/8	----------
harsh	HARGS 1/5	HAR/-RB 2/5	HAR/-RB 2/5	HAR/-RB 2/5	HAR/AERB 2/7
welsh	WELGS 1/5	WEL/-RB 2/5	WEL/-RB 2/5	----------	----------
provincial	PRU/SREULGS 2/10 PRO/SREULGS	PRO/SREUPB/-RBL 3/12	----------	PRO*E/SREUPB/SHAL 3/15	----------
prudential	PRAOUD/ELGS 2/10	PRAOU/TKEPB/-RBL 3/13	PRAOU/TKEPBGS 2/12	----------	----------

	Phoenix Theory	StenEd	CCST	RWG	RW/RT
fluid	TPHRAOUD 1/8	TPHRAOUD 1/8	TPHRAOUD 1/8	TPHRAOU/EUD 2/10	----------
horrid	HOR/UD 2/5	HOR/EUD 2/6	----------	HOR/EUD 2/6	----------
designate	TKEZ/UG/TPHAEUT 3/13	TKEZ/EUG/TPHAEUT 3/14	TKES/EUG/TPHAEUT 3/14	TKEZ/EUG/TPHAEUT 3/14	STKEUG/TPHAEUT 2/13
resignation	REZ/UG/TPHAEUGZ 3/13	REZ/EUG/TPHAEUGS 3/14	RES/EUG/TPHAEUGS 3/14	REZ/EUG/TPHAEUGS 3/14	REZ/TPHAEUGS 2/11 [51]
death	TKEGT 1/5	TK*ET 1/5	TK*ET 1/5	TKEPBLG 1/7	TKETD 1/5
both	PWOEGT 1/6	PWO*ET 1/6	PWO*ET 1/6	PWOEPBLG 1/8	PWOETD 1/6
athletic	AGT/HRET/-BG 3/9	A*T/HRET/EUBG 3/11	A*T/HRET/*EUBG 3/12	A*PBLG/HRET/EUBG 3/14	ATD/HRET/KWREUBG 3/14
ethnic	EGT/TPH-BG 2/8	*ET/TPHEUBG 2/10	*ET/TPHEUBG 2/10	EPBLG/TPHEUBG 2/12	ETD/TPHEUBG 2/10
filth	TPEULGT 1/7	TP*EULT 1/7	TP*EULT 1/7	TPEUL/-PBLG 2/9	TPEUL/AETD 2/9
worth	WURGT 1/5	WO*RT 1/5	WO*RT 1/5	WORPBLG 1/7	----------
tenth	TEPBGT 1/6 (or TEPB/-GT)	T*EPBT 1/6	T*EPBT 1/6	TEPB/-PBLG 2/8	(mandatory brief)
width	WEUD/-GT 2/6	WEUD/*T 2/6	WEUD/*T 2/6	WEUD/-PBLG 2/8	(mandatory brief)
warmth	WARPL/-GT 2/7	WA*RPLT 1/7	WARPL/*T 2/7	WARPL/-PBLG 2/9	----------
depth	TKEP/-GT 2/6	TK*EPT 1/6	TK*EPT 1/6	TKEP/-PBLG 2/8	TKEPTD 1/6
Plymouth	PHREUPL/-GT 2/9	PHREU/PH*UT 2/10	----------	PHRAO*EU/PHOUPBLG 2/16	PHR-FPL/PHOUTD 2/12
zenith	SWRAOEPB/-GT 2/10	SAO*EPB /*EUT 2/11	STKPWHRAOE/TPH*EUT 2/17	STKAOEPB/EUPBLG 2/14	----------
bump	PWUFPL 1/6	PWUFRP 1/6	PWUFRP 1/6	PWUPL/-P 2/6	----------
camp	KAFPL 1/5	KAFRP 1/5	KAFRP 1/5	KAPL/-P 2/5	KAPL/AEP 2/7
sampler	SAFPL/HR-R 2/8	SAFRP/HRER 2/9	SAFRPL/*ER 2/9	----------	----------
simplest	SEUFPL/HR*S 2/10	SEUFRP/HR*ES 2/11	SEUFRPL/*ES 2/10	----------	----------
tempted	TEFPLT/-D 2/7	TEPLT/-D 2/6	TEPLTD 1/6	----------	----------
contempt	KUPB/TEFPLT 2/10	KOPB/TEPLT 2/9	KOPB/TEPLT 2/9	KO*PB/TEPLT 2/10	----------
change	KHAEUFPG 1/8	KHAEUPBG 1/8	KHAEUPBG 1/8	KHAEUFRPBG 1/10	KHAEUPBG 1/8
plunge	PHRUFPG 1/7	PHRUPBG 1/7 [3]	PHRUPBG 1/7 [3]	PHRUFRPBG 1/9 [46]	----------
astringent	U/STREUFPG/-PBT 3/12	AEU/STREUPBG/EPBT 3/15	----------	A/STREUFRPBG/EPBT 3/15	----------
stranger	STRAEUFPG/-R 2/10	STRAEUPBG/ER 2/11	STRAEUPBG/*ER 2/12	STRAEUFRPBG/ER 2/13	STRAPBG/AER 2/10
bank	PWA*PBG 1/7	PWA*PBG 1/7	PWA*PBG 1/7	PWAFRPBG 1/8	PWAFBG 1/6
drink	TKR*EUPBG 1/9	TKR*EUPBG 1/9	TKR*EUPBG 1/9	TKREUFRPBG 1/10	TKREUFBG 1/8
bunker	PW*UPBG/-R 2/8	PW*UPBG/ER 2/9	----------	PWUFRPBG/ER 2/10	----------
sprinkler	SPR*EUPBG/HR-R 2/12	SPR*EUPBG/HRER 2/13	SPR*EUPBG/HRER 2/13	----------	SPREUFBG/HRAER 2/13
jinx	SKWR*EUPBGS 1/11	SKWREUPBGS 1/10	SKWR*EUPBGS 1/11	SKWREUPB/-FPL 2/11	----------
lynx	HR*EUPBGS 1/9	HREUPBGS 1/8	----------	----------	----------
mask	PHAFBG 1/6	PHAS/-BG 2/6	PHAS/-BG 2/6	PHAFBG 1/6	PHASZ 1/5
risk	REUFBG 1/6	REUS/-BG 2/6	REUS/-BG 2/6	REUFBG 1/6	REUSZ 1/5
damask	TKAPL/-FBG 2/8	----------	----------	TKAPL/AFBG 2/9	----------
casket	KAS/K-T 2/5 KAFBG/-T	KAS/KET 2/6	KAS/KET 2/6	KAFBG/ET 2/7	----------
fiscal	TPEUS/K-L 2/7 TPEUFBG/-L	TPEUS/KAL 2/8	TPEUS/K-L 2/7	TPEUFBG/AL 2/9	TPEUS/KAL 2/8
brisker	PWREUS/K-R 2/8 PWREUFBG/-R	PWREUS/KER 2/9	----------	PWREUFBG/ER 2/10	----------
church	KHUFRP 1/6	KH*URPBLG 1/9	KHUFRPB 1/7	KHUR/-FP 2/6	(mandatory brief)
marched	PHAFRP/-D 2/7	PHAR/-FPD 2/7	PHAFRPBD 1/8	PHAR/-FPD 2/7	----------
fortune	TPOR/KH-PB 2/8 TPOFRP/-PB	TPOR/KHUPB 2/9	TPOER/TAOUPB 2/11	TPORT/AOUPB 2/10	(mandatory brief)
nurture	TPHUR/KH-R 2/8 TPHUFRP-R	TPHUR/KHUR 2/9	TPHUR/TAOUR 2/10	TPHURT/KWRAOUR 2/13	----------
bench	PWEFRPB 1/7	PWEFRPBLG 1/9	PWEFRPBLG 1/9	PWEFRPBLG 1/9	PWEPB/AEFP 2/9
cinch	SEUFRPB 1/7	SEUFRPBLG 1/9	SEUFRPBLG 1/9	SEUFRPBLG 1/9	----------

	Phoenix Theory	StenEd	CCST	RWG	RW/RT
luncheon	HRUPB/KH-PB 2/9 HRUFRPB/-PB	HRUPB/KHUPB 2/10	HRUFRPBLG/O*PB 2/13	HRUFRPBLG/KWROPB 2/15	HRUPB/KHOPB 2/10
dentures	TKEPB/KH-RZ 2/9 TKEFRPB/-RZ	TKEPB/KHURS 2/10	TKEPB/TAOURS 2/11	TKEPBT/KWRAOUR/-Z 3/14	----------
potential	PU/TELGS 2/7 PO/TELGS	PO/TEPB/-RBL 3/9	PO/TEPBGS 2/8	POE/TEPB /SHAL 3/11	(mandatory brief)
approval	U/PRAOUFBL 2/9	AEU/PRO*FL 2/9	AEU/PROFBL 2/9	A/PROF/AL 3/7	A/PROFL 2/6
shovel	SHUFBL 1/6	SHO*FL 1/6	SHOFBL 1/6	SHOFL 1/5	SHOFL 1/5
shelves	SHEFBLZ 1/7	SHEL/*FS 2/7	SHEL/-FBS 2/7	----------	SHEFLZ 1/6
valve	SRAFBL 1/6	SRAL/*F 2/6	SRAL/-FB 2/6	SRAFL 1/5	SRAFL 1/5
shelf	SHEFL 1/5	SHEL/-F 2/5	SHEL/-F 2/5	----------	SHEFL 1/5
gulf	TKPWUFL 1/7	TKPWUL/-F 2/7	TKPWUL/-F 2/7	TKPWUFL 1/7	TKPWUL/AEF 2/9
playful	PHRAEUFL 1/8	PHRAEUFL 1/8	----------	PHRAEU/-FL 2/8	----------
rifles	RAOEUFLZ 1/8	RAOEUFL/-S 2/8	RAOEUFLS 1/8	RAOEUFL/-Z 2/8	----------
suffers	SUFRZ 1/5	SUF/ERS 2/6	SUFRS 1/5	SUFR/-Z 2/5	SUFRZ 1/5
chauffeur	SHOEFR 1/6	SHOEFR 1/6	SHOEFR 1/6	SHOEF/ER 2/7	SHOEF/KWRER 2/10
scarf	SKAFR 1/5	SKAR/-F 2/5	SKAFRB 1/6	SKAFRB 1/6	SKAFRB 1/6
wharf	WHAFR 1/5	WHAR/-F 2/5	WHAFRB 1/6	WHAFRB 1/6	----------
merit	PHAEUR/-T 2/7	PHERT 1/5	PHERT 1/5	PHER/EUT 2/7	PHAEURT 1/7
terror	TAEUR/-R 2/6	TER/ROR 2/6	TER/ROR 2/6	----------	----------
barbaric	PWAR/PWAEURBG 2/12	PWAR/PWAEURBG 2/12	----------	PWAR/PWAEUR/EUBG 3/14	----------
hysterics	HEUS/TAEURBG/-Z 3/12	HEUS/TAEUR/EUBGS 3/14	----------	HEUFT/ER/EUBG/-Z 4/12	HEUS/TAEURBGZ 2/12
carvings	KAFRB/-GZ 2/7	KAFRB/-GS 2/7	KAFRBGS 1/7	KAFRB/-G/-Z 3/7	----------
washing	WAUGS/-G 2/6	WARB/-G 2/5	WARBG 1/5	WAURB/-G 2/6	----------
assembling	U/SEPL/PW-LG 3/9	AEU/SEPL/-BLG 3/10	AEU/SEFRPLG 2/10	A/SEPL/-BL/-G 4/8	----------
battling	PWAT/-LG 2/6	PWAT/-LG 2/6	PWAT/*ELG 2/8	PWAT/-LG 2/6	----------
knelt	KPWELT 1/6	TPHELT 1/6	TPHELT 1/6	TPHELT 1/6	----------
knife	KPWAOEUF 1/8	TPHAOEUF 1/8	TPHAOEUF 1/8	TPHAOEUF 1/8	STPAOEUF 1/8
bulk	PWUL/-BG 2/6	PWUL/-BG 2/6	PWUL/-BG 2/6	PWUL/-BG 2/6	----------
gasp	TKPWAS/-P 2/7	TKPWAS/-P 2/7	TKPWAS/-P 2/7	TKPWAS/-P 2/7	----------
bulbs	PWUL/-BZ 2/6	PWUL/-BS 2/6	PWUL/-BS 2/6	PWUL/-BZ 2/6	PWUL/AEBZ 2/8
realm	REL/-PL 2/5	REL/-PL 2/5	REL/-PL 2/5	REL/-PL 2/5	----------
scalp	SKAL/-P 2/5	SKAL/-P 2/5	SKAL/-P 2/5	----------	----------
spasm	SPAFPL 1/6	SPAFPL 1/6	SPAFPL 1/6	SPAFPL 1/6	SPASZ 1/5
lymph	HREUPL/-F 2/7	HREUPL/-F 2/7	HREUPL/*F 2/8	HREUPL/-F 2/7	----------
next	TPH*EBGS 1/8 TPHEBGS/-T	TPH*EBGS 1/8	TPHEBGS 1/7	TPHEFPLT 1/8	TPHEFRPBT 1/9
limb	HREUPL/-B 2/7	HREUPL 1/6	HR*EUPL 1/7	HREUPL 1/6	----------
numb	TPHUPL/-B 2/7	TPHUPL 1/6 [4]	TPHUPL 1/6 [4]	TPHUPL 1/6 [4]	TPHUPL 1/6
pardoning	PARD/-PBG 2/7	PAR/TKOPB/-G 3/9	PAR/TKOPB/-G 3/9	PARD/KWRAOPB/-G 3/12	(mandatory brief)
prospering	PRAUS/P-RG 2/8	PROS/PER/-G 3/8	PROS/PER/-G 3/8	PROS/PER/-G 3/8	----------
slumbering	SHRUPL/PW-RG 2/10	SHRUPL/PWER/-G 3/11	----------	----------	----------
patterning	PAT/-RPBG 2/7	PAT/ERPB/-G 3/8	PAT/*ERPBG 2/9	PAT/ERPB/-G 3/8	----------
adjourning	U/SKWR-RPBG 2/9	AEU/SKWRURPB/-G 3/12	AEU/SKWRURPBG 2/12	A/SKWRURPB/-G 3/10	AD/SKWRAOURPBG 2/13
smuggling	SPHUG/-LG 2/7	SPHUG/-LG 2/7	SPHUG/*ELG 2/9	----------	----------
stumbling	STUPL/PW-LG 2/9	STUPL/-BLG 2/8	STUPL/-BLG 2/8	----------	----------
jiggled	SKWREUG/-LD 2/9	SKWREUG/-LD 2/9	SKWREUG/*ELD 2/11	SKWREUG/-LD 2/9	----------
rumbled	RUPL/PW-LD 2/8	RUPL/-BLD 2/7	RUPL/-BLD 2/7	RUPL/-BL/-D 3/7	----------
frightened	TPRAOEUT/-PBD 2/11	TPRAOEUGT/-PBD 2/12	TPRAOEUGT/-PBD 2/12	TPRAOEUT/EPB/-D 3/12	TPRAOEUGT/AEPBD 2/14

	Phoenix Theory	StenEd	CCST	RWG	RW/RT
bargained	PWARG/-PBD 2/8	PWAR/TKPWAEUPB/-D 3/14 [5]	PWARG/AEUPBD 2/11	PWARG/APB/-D 3/9	----------
garland	TKPWAR/HR-PBD 2/11	TKPWAR/HRAPBD 2/12	----------	TKPWAR/HRAPBD 2/12	
strengthened	STREPBG/TH-PBD 2/12	STR*EPBGT/-PBD 2/12	STREPBG/-PBD 2/10	STREPBG/-PBLG/-PB/-D 4/14	(mandatory brief)
murmured	PHUR/PH-RD 2/8	PHUR/PHUR/-D 3/9	PHUR/PHUR/-D 3/9	PHURPL/UR/-D 3/9	----------
ordered	ORD/-RD 2/5	ORD/ERD 2/6	(mandatory brief)	(mandatory brief)	ORD/AERD 2/7
registered	REPBLG/ST-RD 2/10	REPBLG/STER/-D 3/11	REPBLG/STERD 2/11	REPBLG/EUFT/ER/-D 4/13	(mandatory brief)
upholstered	*UP/HOEL/ST-RD 3/11	UP/HOL/STER/-D 4/10	UP/HOEL/STERD 3/11	----------	----------
structured	STRUBG/KH-RD 2/10	STRUBG/KHURD 2/11	STRUBG/TURD 2/10	(mandatory brief)	STRUBG/TAOURD 2/12
ruptured	RUP/KH-RD 2/7	RUP/KHURD 2/8	RUP/TAOURD 2/9	----------	----------
audits	AUD/-TS 2/5	AU/TKEUT/-S 3/8	AUD/EUTS 2/7	AUD/EUT/-Z 3/7	AUD/KWREUTS 2/10
ballots	PWAL/-TS 2/6	PWAL/OT/-S 3/7	PWAL/O*TS 2/8	PWAL/OT/-Z 3/7	----------
chocolates	KHAUBG/HR-TS 2/10	KHOBG/HRAT/-S 3/10	KHOBG/HRATS 2/10	KHOBG/HRAT/-Z 3/10	KHOBG/HRAEUTS 2/12
pamphlets	PAPL/TPHR-TS 2/10	PAPL/TPHRET/-S 3/11	PAPL/TPHRETS 2/11	PAPL/TPHRET/-Z 3/11	PAPL/TPHRETS 2/11
coconuts	KOEBG/TPH-TS 2/10	KOEBG/TPHUT/-S 3/11 [6]	----------	KOEBG/TPHUT/-Z 3/11 [6]	----------
secrets	SAOEBG/R-TS 2/9	SAOEBG/RET/-S 3/10	SAOEBG/RETS 2/10	SAOEBG/RET/-Z 3/10	----------
Plymouths	PHREUPL/-GTS 2/10	PHREU/PH*UT/-S 3/11	----------	PHRAO*EU/PHOUPBLG/-Z 3/17	----------
sabbaths	SAB/-GTS 2/6	SAB/A*T/-S 3/7	----------	----------	----------
verdicts	SRUR/TK-BGTS 2/10	SRER/TKEUBGT/-S 3/12	SRER/TKEUBGTS 2/12	SRERD/EUBGT/-Z 3/11	(mandatory brief)
addicts	AD/-BGTS 2/6	AD/EUBGT/-S 3/8	AD/*EUBGTS 2/9	A/TKEUBGT/-Z 3/9	AD/KWREUBGTS 2/11
merchants	PHUR/KH-PBTS 2/10	PHER/KHAPBT/-S 3/11	PHER/KHAPBTS 2/11	PHER/KHAPBT/-Z 3/11	PHER/KHAPBTS 2/11
opponents	U/POEPB/-PBTS 3/10 O/POEPB/-PBTS	O/POEPB/EPBT/-S 4/11	OP/POEPB/*EPBTS 3/13	O*E/POEPB/EPBT/-Z 4/13	----------
permanents	PURPL/TPH-PBTS 2/12	PERPL/TPHEPBT/-S 3/13	PERPL/TPHEPBTS 2/13	PERPL/APB/EPBT/-Z 4/13	(mandatory brief)
precedents	PRES/TK-PBTS 2/10	PRES/TKEPBT/-S 3/11	PRES/TKEPBTS 2/11	PRES/TKEPBT/-Z 3/11	PRES/TKEPBTS 2/11
competents	KAUFPL/T-PBTS 2/11	KOFRP/TEPBT/-S 3/11	KPE/TEPBT/-S 3/9	KPET/EPBT/-Z 3/9	(mandatory brief)
dessicants	TKES/K-PBTS 2/9	----------	----------	----------	----------
ranchers	RAPB/KH-RZ 2/8 RAFRPB/-RZ	RAPB/KHER/-S 3/9	RAFRPBLG/*ER/-S 3/12	RAFRPBLG/ER/-Z 3/11	----------
villagers	SREUL/SKWR-RZ 2/11	SREUL/APBLG/-ERS 3/13	----------	----------	----------
embers	EPL/PW-RZ 2/7	EPL/PWER/-S 3/8	----------	----------	----------
chiselers	KHEUZ/HR-RZ 2/9	KHEUZ/HRER/-S 3/10	----------	KHEUZ/EL/ER/-Z 4/10	----------
fasteners	TPAS/TPH-RZ 2/9	TPAS/TPHER/-S 3/10	TPAS/TPHERS 2/10	TPAFT/EPB/ER/-Z 4/11	TPASZ/KWREPB/KWRERZ 3/17
visitors	SREUZ/T-RZ 2/8	SREUZ/TOR/-S 3/9	SREUS/TORS 2/9	SREUFT/KWRAOR/-Z 3/13	----------
canisters	KAPB/ST-RZ 2/8	KAPB/STER/-S 3/9	KAPB/STERS 2/9	----------	----------
massacres	PHAS/K-RZ 2/7	PHASZ/KER/-S 3/9	----------	PHAS/ABG/ER 3/9	----------
captures	KAP/KH-RZ 2/7	KAP/KHURS 2/8	KAP/TURS 2/7	KAPT/KWRAOUR/-Z 3/12	----------
appraisals	U/PRAEUZ/-LZ 3/9	AEU/PRAEU/SAL/-S 4/12	AEU/PRAEUZ/*LS 3/12	A/PRAEUZ/AL/-Z 4/10	A/PRAEUZ/KWRALZ 3/14
capsules	KAP/S-LZ 2/6	KAP/SUL/-S 3/7	KAP/SULS 2/7	KAP/SUL/-Z 3/7	----------
symbols	SEUPL/PW-LZ 2/9	SEUPL/PWOL/-S 3/10	SEUPL/PWOLS 2/10	----------	----------
liberals	HREUB/R-LZ 2/8	HREUB/RAL/-S 3/9	HREUB/RALS 2/9	HREUB/ER/AL/-Z 4/10	----------
medicals	PHED/K-LZ 2/7	PHED/KAL/-S 3/8	PHED/K-L/-S 3/7	PHED/EUBG/AL/-Z 4/11	----------
capitals	KAP/T-LZ 2/6	KAP/TAL/-S 3/7	KAP/TAL/-S 3/7	KAP/TAL/-Z 3/7	(mandatory brief)
principals	PREUPBS/P-LZ 2/10	PREUPBS/PAL/-S 3/11 [7]	PREUPB/PALS 2/10	PREUPBS/PAL/-Z 3/11 [7]	(mandatory brief)
prodigals	PRAUD/TKPW-LZ 2/11	PROD/TKPWAL/-S 3/11 [8]	----------	PROD/EUG/AL/-Z 4/10	----------
nuptials	TPHUP/SH-LZ 2/9	TPHUP/-RBLS 2/9	TPHUPT/AOULS 2/11	TPHUP/SHAL/-Z 3/10	----------
buttons	PWUT/-PBZ 2/7	PWUT/TOPB/-S 3/9	PWUT/TOPBS 2/9	PWUT/KWRAOPB/-Z 3/12	----------
matrons	PHA/TR-PBZ 2/8	PHAEU/TROPB/-S 3/11	PHAEUT/ROPBS 2/11	PHAEUT/ROPB/-Z 3/11	----------
Jacksons	SKWRABG/S-PBZ 2/11	SKWRABG/SOPB/-S 3/12 [9]	SKWRA*BG/SOPB/-S 3/13	----------	----------
bulletins	PWUL/T-PBZ 2/8	PWUL/TEUPB/-S 3/10	PWUL/TEUPBS 2/10	PWUL/ET/EUPB/-Z 4/11	----------

	Phoenix Theory	StenEd	CCST	RWG	RW/RT
lengthens	HREPBG/TH-PBZ 2/11	HR*EPBT/-PB-S 3/10	HREPBG/*EPBS 2/11	HREPBG/-PBLG/EPB/-Z 4/14	----------
appendages	U/PEPBD/-PBLGZ 3/11	AEU/PEPBD/APBLG/-S 4/14	----------	A/PEPBD/APBLG/-Z 4/12	----------
bandages	PWAPBD/-PBLGZ 2/11	PWAPBD/APBLG/-S 3/12	PWAPBD/APBLGS 2/12	PWA*PBD/APBLG/-Z 3/13	PWAPBD/KWRAPBLGZ 2/15
averages	AFB/R-PBLGZ 2/9	A*F/RAPBLG/-S 3/10	AFRPBLGS 1/8	AFRPBLG/-Z 2/8	(mandatory brief)
hermitages	HURPL/T-PBLGZ 2/11	----------	----------	----------	----------
salvages	SAL/SR-PBLGZ 2/10	SAL/SRAPBLG/-S 3/11	SAL/SRAPBLGS 2/11	SAL/SRAPBLG/-Z 3/11	----------
mastiffs	PHAS/T-FZ 2/7	----------	----------	----------	----------
pontiffs	PAUPB/T-FZ 2/8	POPB/TEUF/-S 3/9	----------	POPBT/EUF/-Z 3/9	----------
fathoms	TPAGT/-PLZ 2/8	TPA*T/OPL/-S 3/9	TPA*T/O*PL/-S 3/10	TPAPBLG/OPL/-Z 3/11	TPATD/KWROPLZ 2/11
forums	TPOR/-PLZ 2/7	TPOR/UPL/-S 3/8	TPOER/UPLS 2/8	TPO*R/UPL/-Z 3/9	----------
albums	AL/PW-PLZ 2/7	AL/PWUPL/-S 3/8	AL/PWUPLS 2/8	A*L/PWUPL/-Z 3/9	----------
maximums	PHABGS/PH-PLZ 2/11	PHABGS/PHUPL/-S 3/12	PHABGS/PHUPLS 2/12	PHABGS/EUPL/UPL/-Z 4/14	----------
forceps	TPORS/-PZ 2/7	TPOR/SEPS 2/8	TPOR/SEPS 2/8	TPORS/EP/-Z 3/8	----------
gallops	TKPWAL/-PZ 2/8	TKPWAL/OP/-S 3/9	TKPWAL/HROP/-S 3/11 [30]	TKPWAL/OP/-Z 3/9	----------
expletives	EBGS/PHR-T/-FBZ 3/11	EBGS/PHRE/T*EUF/-S 4/14	----------	SKPHRET/EUF/-Z 3/11	----------
explosives	EBGS/PHROES/-FBZ 3/13	EBGS/PHROES/*EUFS 3/15	EBGS/PHROES/-FBS 3/13	SKPHROES/EUF/-Z 3/12	SKPHROES/KWREUFBZ 2/16
relatives	REL/T-FBZ 2/7	REL/T*EUF/-S 3/9	REL/TEUFBS 2/9	REL/TEUF/-Z 3/8	----------
photographers	TPU/TAUG/R-FRZ 3/11 TPO/TAUG/R-FRZ	TPO/TOG/TPER/-S 4/11	(mandatory brief)	(mandatory brief)	(mandatory brief)
stenographers	STEPB/AUG/R-FRZ 3/12 STUPB/AUG/R-FRZ	STEPB/OG/TPER/-S 4/12	STEPB/TKPWRAFR/-S 3/14	STEPB/OG/RAFR/-Z 4/12	----------
buzzards	PWUZ/-RDZ 2/7	PWUZ/ARDZ 2/8	----------	PWUZ/ARD/-Z 3/8	----------
cupboards	KUB/-RDZ 2/6	KUP/PWAORDZ 2/10	----------	KUB/ORD/-Z 3/7	KUP/PWORDZ 2/9
cisterns	SEUS/T-RPBZ 2/9	SEUS/TERPB/-S 3/10	SEUS/TERPB/-S 3/10	SEUFT/ERPB/-Z 3/10	----------
lanterns	HRAPB/T-RPBZ 2/10	HRAPB/TERPB/-S 3/11	----------	HRAPBT/ERPB/-Z 3/11	----------
challenges	KHAL/-FPGZ 2/8	KHAL/EPB/-PBLGS 3/12	KHAL/EPBGS 2/9	KHAL/EFRPBG/-Z 3/11	KHAL/KWREFPBLGZ 2/14
lozenges	HRAUZ/-FPGZ 2/9	HROZ/EPB/-PBLGS 3/12	----------	HROZ/EFRPBG/-Z 3/11	----------
oranges	OR/-FPGZ 2/6	ORPB/-PBLGS 2/9	ORPBGS 1/6	O*ER/AFRPBG/-Z 3/11	ORPBG/AEZ 2/8
scaffolds	SKAF/-LDZ 2/7	SKA/TPOLDZ 2/9	SKAFLDZ 1/7	SKAF/OELD/-Z 3/9	----------
emeralds	EPL/R-LDZ 2/7	EPL/RALDZ 2/8	EPL/RALDZ 2/8	*EPL/ER/ALD/-Z 4/10	----------
garlands	TKPWAR/HR-PBDZ 2/12	TKPWAR/HRAPBDZ 2/13	----------	TKPWAR/HRAPBD/-Z 3/13	----------
mainlands	PHAEUPB/HR-PBDZ 2/13	PHAEUPB/HRAPBDZ 2/14 [10]	----------	----------	----------
enforce	TPH-/TPORS 2/8	EPB/TPORS 2/8	EPB/TPORS 2/8	*EPB/TPORS 2/9	----------
engine	TPH-/SKWR-PB 2/9	EPBG/-PB 2/6	EPBG/*EUPB 2/9	*EPB/SKWREUPB 2/12	(mandatory brief)
incisive	TPH-/SAOEUS/-FB 3/11	EUPB/SAOEUS/*EUF 3/14	----------	*EUPB/SAOEUS/EUF 3/14	----------
inclined	TPH-/KHRAOEUPB/-D 3/13	EUPB/KHRAOEUPB/-D 3/14	EUPB/KHRAOEUPBD 2/14	*EUPB/KHRAOEUPB/-D 3/15	----------
interlude	TPH-RT/HRAOUD 2/11	SPWER/HRAOUD 2/11	----------	*EUPBT/HRAOUD 2/12	----------
interpose	TPH-RT/POEZ 2/9	SPWER/POEZ 2/9	SPWER/POEZ 2/9	*EUPBT/POEZ 2/10	EUPBT/POEZ 2/9
entertain	TPH-RT/TAEUPB 2/11	SPWER/TAEUPB 2/11	SPWR/TAEUPB 2/10	*EPBT/TAEUPB 2/11	EPBT/TAEUPB 2/10
enterprise	TPH-RT/PRAOEUZ 2/12	SPWER/PRAOEUZ 2/12	SPWR/PRAOEUZ 2/11	*EPBT/PRAOEUZ 2/12	EPBT/PRAOEUZ 2/11
bicuspid	PWEU/K-S/P-D 3/8	PW*EU/KUS/PEUD 3/12	PW*EU/KUS/PEUD 3/12	----------	----------
bicycle	PWEU/SEUBG/-L 3/10	PW*EU/SEUBG/-L 3/11	(mandatory brief)	PW*EU/SEUBG/-L 3/11	PWAOEUS/KAEL 2/11
cocaine	KO/KAEUPB 2/8	KO/KAEUPB 2/8	KOE/KAEUPB 2/9	KOEBG/AEUPB 2/10	KO/KAEUPB 2/8
coed	KO/ED 2/4	KO/ED 2/4	----------	KOE/ED 2/5	----------
dialysis	TKEU/AL/S-S 3/8	TKEU/AL/SEUS 3/10	TKEU/*L/SEUS 3/10	----------	----------
diameter	TKEU/APL/T-R 3/9	TKEU/APL/TER 3/10	TKEU/APL/TER 3/10	TKAOEU/APL/ET/ER 4/13	TKAOEUPL/TER 2/11
hydraulic	HEU/TKRAUL/-BG 3/11	HAOEU/TKRAUL/EUBG 3/15	HAOEU/TKRAUL/EUBG 3/15	----------	HAOEU/TKRAUL/KWRAEUBG 3/19
hygiene	HEU/SKWRAOEPB 2/12	HAOEU/SKWRAOEPB 2/14 [11]	HAOEU/SKWRAOEPB 2/14 [11]	HAO*EU/SKWRAOEPB 2/15	HAOEU/SKWRAOEPB 2/14
pretense	PRE/TEPBS 2/8	PRE/TEPBS 2/8	PRE/TEPBS 2/8	PRAO*E/TEPBS 2/11	PRE/TEPBS 2/8

	Phoenix Theory	StenEd	CCST	RWG	RW/RT
prevailed	PRE/SRAEUL/-D 3/10	PRE/SRAEUL/-D 3/10	PRE/SRAEULD 2/10	PRAO*E/SRAEUL/-D 3/13	PRE/SRAEULD 2/10
prolific	PRO/HREUF/-BG 3/10	PRO/HREUFBG 2/10	----------	PRO*E/HREUF/EUBG 3/14	----------
prolong	PRO/HRAUPBG 2/10	PRO/HROPBG 2/9	PRO/HROPBG 2/9	PRO*E/HROPBG 2/11	PRO/HROPBG 2/9
recline	RE/KHRAOEUPB 2/11	RE/KHRAOEUPB 2/11	RE/KHRAOEUPB 2/11	RAO*E/KHRAOEUPB 2/14	----------
renewed	RE/TPHAOU/-D 3/9	RE/TPHU/-D 3/7	RE/TPHUD 2/7	RAO*E/TPHU/-D 3/10	RE/TPHEFRPD 2/10
romantic	RO/PHAPBT/-BG 3/10	RO/PHAPBT/EUBG 3/12	ROE/PHAPB/TEUBG 3/13	----------	----------
rotated	RO/TAEUT/-D 3/8	ROE/TAEUT/-D 3/9	ROE/TAEUTD 2/9	ROE/TAEUT/-D 3/9	----------
saline	SA/HRAOEPB 2/9	SAEU/HRAOEPB 2/11 (12)	SAEU/HRAOEPB 2/11 (12)	----------	----------
séance	SA/AUPBS 2/7	SAEUPBS 1/7	----------	----------	----------
secluded	SE/KHRAOUD/-D 3/10	SE/KHRAOUD/-D 3/10	SE/KHRAOUD/-D 3/10	----------	----------
seduce	SE/TKAOUS 2/8	SE/TKAOUS 2/8	----------	----------	----------
tricycle	TREU/SEUBG/-L 3/10	TR*EU/SEUBG/-L 3/11	(mandatory brief)	TR*EU/SAOEUBG/-L 3/13	----------
trilateral	TREU/HRAT/R-L 3/10	----------	----------	----------	----------
barometer	PWRAUPL/T-R 2/9	PWROPL/TER 2/9	PWROPL/TER 2/9	PWAR/OPL/ET/ER 4/11	PWROPL/TER 2/9
botanical	PWU/TAPB/K-L 3/9	PWO/TAPB/KAL 3/10	----------	PWOT/APB/EUBG/AL 4/13	----------
debate	TK-/PWAEUT 2/8	TKE/PWAEUT 2/9	TKE/PWAET 2/8	TKAO*E/PWAEUT 2/12	TKE/PWAEUT 2/9
dilemma	TKHREPL/AU 2/9	TKHREPL/PHA 2/10	TKHREPL/PHA* 2/11	TKHREPL/AU 2/9	----------
zipper	SWREUP/-R 2/7	S*EUP/ER 2/7	STKPWHREUP/*ER 2/13	STKEUP/ER 2/8	----------
zealot	SWREL/-T 2/6	S*EL/OT 2/6	----------	STKEL/OT 2/7	----------
horizontal	HOR/SWRAUPB/T-L 3/12	HOR/SO*PB/TAL 3/11	HOR/STKPWHROPBT/*L 3/16	HOR/EUZ/OPBT/AL 4/12	HOR/SKPWOPBT/KWRAL 3/16
magazine	PHAG/SWRAOEPB 2/12	PHAG/SAO*EPB 2/11	PHAG/STKPWHRAOEPB 2/16	PHAG/AZ/AOEPB 3/11	(mandatory brief)
claimants	KHRAEUPLTS 1/10	KHRAEUPLT/-S 2/10	KHRAEUPL/A*PBTS 2/14	KHRAEUPL/APBT/-Z 3/13	KHRAEUPL/KWRAPBTS 2/16
cement	SAOEPLT 1/7	SAOEPLT 1/7	SEPLT 1/5	SE/-PLT 2/5	SEPLT 1/5
argument	ARG/AOUPLT 2/9	ARG/KWRAOUPLT 2/12	ARG/-PLT 2/6	ARG/AOU/-PLT 3/9	ARG/PHAEPBT 2/10
sediment	SED/-PLT 2/6	SED/-PLT 2/6	SED/-PLT 2/6	SED/EU/-PLT 3/8	----------
supplements	SUP/HR-PLTS 2/9	SUP/HREPLT/-S 3/10	SUP/PHREPLTS 2/11	SUP/HRE/-PLTS 3/10	SUPL/PHAEPBTS 2/12
detriment	TKET/R-PLT 2/8	TKET/REUPLT 2/10	TKE/TREUPLT 2/10	TKET/REU/-PLT 3/10	TKET/RE/AEPLT 3/11
varmints	SRARPLTS 1/8	----------	----------	SRARPL/EUPBT/-Z 3/12	----------
procurement	PRO/KAOURPLT 2/11	PRO/KAOURPLT 2/11	PRO/KAOUR/-PLT 3/11	PRO*E/KAOUR/-PLT 3/13	----------
payable	PAEUBL 1/6	PAEUBL 1/6	PAEUBL 1/6	PAEU/-BL 2/6	PAEUBL 1/6
mobile	PHOEBL 1/6	PHOEBL 1/6	PHOEBL 1/6	PHOEBL 1/6	PHOEBL 1/6
audible	AUD/-BL 2/5	AUD/-BL 2/5	AUD/-BL 2/5	AUD/EUBL 2/7	(mandatory brief)
culpable	KUL/P-BL 2/6	KUL/PABL 2/7	----------	KUL/-P/-BL 3/6	----------
honorable	HAUPB/R-BL 2/8	HOPB/RABL 2/8	HOPB/*ERBL 2/9	----------	----------
terminable	TURPL/TPH-BL 2/10	TERPL/TPHABL 2/11	----------	----------	----------
eligible	EL/SKWR-BL 2/8	EL/SKWREUBL 2/10	EL/SKWREUBL 2/10	EL/EUPBLG/EUBL 3/12	(mandatory brief)
veritable	SRAEUR/T-BL 2/9	SRER/TABL 2/8	----------	SRER/EUT/-BL 3/9	----------
durable	TKURBL 1/6	TKURBL 1/6	TKURBL 1/6	TKAOUR/-BL 2/8	TKAOURBL 1/8
deplorable	TK-/PHRORBL 2/9	TKE/PHROERBL 2/11	----------	----------	TKE/PHRORBL 2/10
nobility	TPHOEBLT 1/8	TPHOEBLT 1/8	----------	TPHOEB/EULT 2/10	----------
stability	STUBLT 1/6	STABLT 1/6	STABLT 1/6	STAB/EULT 2/8	STABLT 1/6
liability	HRAOEUBLT 1/9	HRAOEUBLT 1/9	HRAOEUBLT 1/9	HRAOEU/-BLT 2/9	HRAOEUBLT 1/9
plausibility	PHRAUZ/-BLT 2/9	PHRAUZ/-BLT 2/9	PHRAUZ/-BLT 2/9	PHRAUZ/EUBLT 2/11	----------
navigability	TPHAFB/TKPW-BLT 2/13	----------	----------	----------	----------
operability	AUP/R-BLT 2/7	----------	OP/RABLT 2/7	----------	----------
educability	EPBLG/K-BLT 2/9	----------	----------	----------	----------
eligibility	EL/SKWR-BLT 2/9	EL/SKWREUBLT 2/11	EL/SKWREUBLT 2/11	EL/EUPBLG/EUBLT 3/13	EL/SKWREUBLT 2/11
irritability	EUR/T-BLT 2/7	EUR/TABLT 2/8	EUR/TABLT 2/8	*EUR/EUT/-BLT 3/10	----------
cautioned	KAUGZ/-D 2/6	KAUGS/-D 2/6	KAUGS/-D 2/6	KAUGS/-D 2/6	KAUGS/AED 2/8

	Phoenix Theory	StenEd	CCST	RWG	RW/RT
motioning	PHOEGZ/-G 2/7	PHOEGS/-G 2/7	PHOEGS/-G 2/7	PHOEGS/-G 2/7	PHOEGS/AEG 2/9
extension	EBGS/TEPBGZ 2/10	EBGS/STEPBGS 2/10	EBGS/STEPBGS 2/11	SKEPBGS 1/7	SKPEPBGS 1/8
mansion	PHAPBGZ 1/7	PHAPBGS 1/7	PHAPB/SHUPB 2/10 [31]	PHAPBGS 1/7	----------
portion	PORGZ 1/5	PORGS 1/5	PORGS 1/5	PORGS 1/5	PORGS 1/5
conversion	KUPB/SR-RGZ 2/9	KOPB/SRERGS 2/10	KOPB/SRERGS 2/10	KO*PB/SRERGS 2/11	KOPB/SRERGS 2/10
compulsion	KUPL/P-LGZ 2/8	KPULGZ 1/6	KPULGS 1/6	KPULGS 1/6	KPULGS 1/6
adoptions	U/TKAUPGZ/-Z 2/9 U/TKAUP/SH-PBZ	AEU/TKOPGS/-S 3/10	AEU/TKOPGS/-S 3/10	A/TKOPGS/-Z 3/8	----------
captioned	KAPGZ/-D 2/6 KAP/SH-PBD	KAPGS/-D 2/6	KAPGS/-D 2/6	KAPGS/-D 2/6	KAPGS/AED 2/8
resumption	RE/SWR-FPL/SH-PB 3/12	RE/SUPLGS 2/8	RE/STKPWHRUFRPGS 2/15	----------	----------
causation	KAUZ/AEUGZ 2/9	KAU/SA*EUGS 2/10	KAUZ/AEUGZ 2/9	KAUZ/AEUGS 2/9	----------
dedication	TKED/KAEUGZ 2/10	TKED/KAEUGS 2/10	TKED/KAEUGS 2/10	TKED/KAEUGS 2/10	TKED/KAEUGS 2/10
celebration	SEL/PWRAEUGZ 2/11	SEL/PWRAEUGS 2/11	SEL/PWRAEUGS 2/11	SEL/PWRAEUGS 2/11	----------
dissipation	TKEUS/PAEUGZ 2/11	TKEUSZ/PAEUGS 2/12	TKEUS/PAEUGS 2/11	STKPAEUGS 1/9	----------
domination	TKAUPL/TPHAEUGZ 2/14	TKOPL/TPHAEUGS 2/13	TKOPL/TPHAEUGS 2/13	TKOPL/EUPB/AEUGS 3/14	----------
generation	SKWREPB/RAEUGZ 2/13	SKWREPB/RAEUGS 2/13 [13]	SKWREPB/RAEUGS 2/13 [13]	TKPWEPB/ER/AEUGS 3/14	----------
orchestration	ORBG/STRAEUGZ 2/12	ORBG/STRAEUGS 2/12	----------	ORBG/EFT/RAEUGS 3/13	----------
persuasion	PUR/SWAEUGZ 2/10	PER/SWAEUGS 2/10	PER/SWAEUGS 2/10	PER/SWAEUGS 2/10	----------
penetration	PEPB/TRAEUGZ 2/11	PEPB/TRAEUGS 2/11	PEPB/TRAEUGS 2/11	PEPB/ET/RAEUGS 3/12	PEPB/TRAEUGS 2/11
mutilation	PHAOUT/HRAEUGZ 2/13	PHAOUT/HRAEUGS 2/13	PHAOUT/HRAEUGS 2/13	PHAOUT/EUL/AEUGS 3/14	----------
validation	SRAL/TKAEUGZ 2/11	SRAL/TKAEUGS 2/11	SRAL/TKAEUGS 2/11	SRAL/EUD/AEUGS 3/12	----------
delegation	TKEL/TKPWAEUGZ 2/13	TKEL/TKPWAEUGS 2/13	TKEL/TKPWAEUGS 2/13	TKEL/EG/AEUGS 3/11	----------
declaration	TKEBG/HR-RGZ 2/10	TKEBG/HRA/RAEUGS 3/14	TKEBG/HRARGS 2/11	TKEBG/HRAR/AEUGS 3/14	(mandatory brief)
desperation	TKES/P-RGZ 2/8	TKES/PRAEUGS 2/11	TKES/PRAEUGS 2/11	STKPRAEUGS 1/10	----------
postulation	PAUS/KH-LGZ 2/9	POS/KHU/HRAEUGS 3/13	POS/TAOU/HRAEUGS 3/14	----------	----------
inclination	TPH-/KHR-PBGZ 2/10	TPH-/KHREU/TPHAEUGS 3/16	EUPB/KHREUPBGS 2/13	*EUPB/KHREUPB/AEUGS 3/17	----------
inhalation	TPH-/H-LGZ 2/7	TPH-/HA/HRAEUGS 3/12	EUPB/HAL/AEUGS 3/12	*EUPB/HAL/AEUGS 3/13	EUPB/HA/HRAEUGS 3/13
installation	TPH-/ST-LGZ 2/8	EUPB/STA/HRAEUGS 3/14	EUPB/STAULGS 2/11	*EUPB/STAUL/AEUGS 3/15	EUPB/STHRAEUGS 2/13
burglarize	PWURG/HR-R/AOEUZ 3/13	PWURG/HRAR/AOEUZ 3/14	PWURG/HRAR/AO*EUZ 3/15	PWURG/HRAR/EUZ 3/12	PWURG/HRAR/KWRAOEUZ 3/17
verbalize	SRURB/HR-Z 2/8 [14]	SRERBL/AOEUZ 2/11	SRERBL/AO*EUZ 2/12	SRERB/AL/EUZ 3/10	SRERBL/AOEUZ 2/11
organize	ORG/TPH-Z 2/7	ORG/TPHAOEUZ 2/11	(mandatory brief)	(mandatory brief)	(mandatory brief)
summarize	SUPL/R-Z 2/6	SUPL/RAOEUZ 2/10 [15]	SUPL/RAOEUZ 2/10 [15]	SUPL/AR/EUZ 3/9	SUPL/RAOEUZ 2/10 [15]
subsidized	SUBS/TK-D 3/8	SUBS/TKAOEUZ/-D 3/12	SUBS/TKAOEUZ/-D 3/12	S*UB/SEUD/EUZ/-D 4/12	----------
optimizing	AUPT/PH-Z/-G 3/8	OPT/PHAOEUZ/-G 3/11	OPT/PHAOEUZ/-G 3/11	OPT/PHAOEUZ/-G 3/11	----------
criticized	KREUT/S-Z/-D 3/8	KREUT/SAOEUZ/-D 3/12	KREUT/SAOEUZ/-D 3/12	KREUT/SAOEUZ/-D 3/12	----------
apologize	U/PAUL/SKWR-Z 3/10	AEU/POL/SKWRAOEUZ 3/15	AEU/POL/SKWRAOEUZ 3/15	A/POLG/EUZ 3/8	A/POL/SKWRAOEUZ 3/13
syllabize	SEUL/PW-Z 2/7	SEUL/PWAOEUZ 2/11	----------	----------	----------
lengthwise	HREPBGT/W-Z 2/9	----------	HREPBG/WAO*EUZ 2/13	HREPBG/-PBLG/WAOEUZ 3/16	----------
civilization	SEUFBL/SWRAEUGZ 2/14	S*EUFL/SA*EUGS 2/13	SEUFBL/STKPWHRAEUGS 2/18	SEUFL/EUZ/AEUGS 3/13	----------
fraternization	TPRAT/-RPB/SWRAEUGZ 3/16	----------	----------	----------	----------
affection	U/TPEBGZ 2/7	AEU/TP*EBGS 2/10	(mandatory brief)	(mandatory brief)	----------
distraction	TKEUS/TRABGZ 2/11	TKEUS/TRA*BGS 2/12	TKEUS/TRA*BGS 2/12	STKRABGS 1/8	----------
infarction	TPH-/TPARBGZ 2/10	EUPB/TPA*RBGS 2/12	EUPB/TPA*RBGS 2/12	*EUPB/TPARBGS 2/12	----------
instruction	TPH-/STR-BGZ 2/9	EUPB/STR*UBGS 2/12	EUPB/STR*UBGS 2/12	(mandatory brief)	(mandatory brief)
conjunction	KUPB/SKWR*PBGZ 2/13	KOPB/SKWRUPBGS 2/13	----------	KO*PB/SKWRUPBGS 2/14	KOPB/SKWRUFBGS 2/13
distinction	TKEUS/T*EUPBGZ 2/13	TKEUS/TEUPBGS 2/12	TKEUS/TEUPBGS 2/12	STKEUPBGS 1/9	(mandatory brief)
abdication	AB/TK-BGZ 2/7	ABD/KAEUGZ 2/9	----------	AB/TKEUBG/AEUGS 3/13	----------
reciprocation	RE/SEUP/R-BGZ 3/10	RE/SEUP/KAEUGS 3/12	----------	----------	----------

	Phoenix Theory	StenEd	CCST	RWG	RW/RT
duplication	TKAOUP/HR-BGZ 2/11	TKAOUP/KAEUGS 2/12	TKAOUPL/KAEUGS 2/13	TKAOUP/HREUBG/AEUGS 3/17	TKAOUPL/KAEUGS 2/13
multiplication	PHULT/PHR-BGZ 2/11	PHULT/PHREU/KAEUGS 3/16	PHULT/PHREU/KAEUGS 3/16	PHULT/PHREUBG/AEUGS 3/17	PHULT/PHREUBGS 2/13
fortification	TPORT/TP-BGZ 2/10	TPORT/TPEU/KAEUGS 3/15	----------	TPORT/EUF/EUBG/AEUGS 4/17	----------
delicate	TKEL/K-T 2/6	TKEL/KAT 2/7	TKEL/KAT 2/7	TKEL/EUBG/KWRAET 3/14	----------
certificate	SUR/TEUF/K-T 3/9	SER/TEUF/KAT 3/10	(mandatory brief)	(mandatory brief)	(mandatory brief)
predicate	PRED/KAEUT 2/9	PRED/KAEUT 2/9	PRED/KAEUT 2/9	PRED/EUBG/KWRAET 3/14	PRED/KAEUT 2/9
syndicate	SEUPBD/K-T 2/8	SEUPBD/KAT 2/9	SEUPBD/KAEUT 2/11	----------	----------
replicate	REP/HR-BGT 2/8	REP/HREU/KAEUT 3/12	REP/HREUBGT 2/10	REP/HREUBG/KWRAET 3/15	----------
fabricate	TPAB/R-BGT 2/8	TPAB/KAEUT 2/9	TPAB/KAEUT 2/9	TPAB/REUBG/KWRAET 3/15	----------
indicate	TPH-/TK-BGT 2/8	EUPBD/KAEUT 2/10	EUPBD/KAEUT 2/10	(mandatory brief)	(mandatory brief)
inducting	TPH-/TKUBGT/-G 3/10	EUPB/TKUBGT/-G 3/11	EUPB/TKUBGT/-G 3/11	*EUPB/TKUBGT/-G 3/12	----------
deductible	TK-/TKUBGT/-BL 3/10	TKE/TKUBGT/-BL 3/11	TKE/TKUBGT/-BL 3/11	TKAO*E/TKUBGT/EUBL 3/16	TKE/TKUBGT/EUBL 3/13
seduction	SE/TKUBGZ 2/8	SE/TK*UBGS 2/9	----------	----------	----------
abduction	AB/TKUBGZ 2/8	AB/TK*UBGS 2/9	AB/TK*UBGS 2/9	AB/TKUBGS 2/8	----------
casual	KALGS 1/5	KARBL 1/5	KARB/AOUL 2/8	KARB/WAUL 2/8	KARBL 1/5
artificial	ART/TPEULGS 2/10	ART/TPEURBL 2/10	ART/TPEURBL 2/10	ART/TPEURBL 2/10	ART/TPEURBL 2/10
impartial	EUPL/PARLGS 2/10	EUPL/PAR/-RBL 3/10	KPWARGS 1/7	*EUPL/PAR/SHAL 3/12	(mandatory brief)
controversial	KAUPB/TRU/SR-RLGS 3/14	KOPB/TRO/SRERBL 3/13	----------	KO*PB/TROF/ERS/KWRAL 4/17	----------
nuptials	TPHUP/SH-LZ 2/9	TPHUP/-RBL/-S 3/9	TPHUPT/AOULS 2/11	TPHUP/SHAL/-Z 3/10	----------
penitential	PEPB/TELGS 2/9	----------	----------	----------	----------
sequential	SKWELGS 1/7	SKWEPB/-RBL 2/9	SKWEPBGS 1/8	SAO*E/KWEPB/SHAL 3/14	----------
pursuant	PUR/SAOUPBT 2/10	PUR/SAOUPBT 2/10	PUR/SAOUPBT 2/10	PUR/SAOU/APBT 3/11	PUR/SAOUPBT 2/10
affluent	AF/HRAOUPBT 2/10	AF/HRAOUPBT 2/10	AF/TPHRAOUPBT 2/12	A/TPHRAOU/EPBT 3/12	----------
fluctuant	TPHRUBG/KHAOUPBT 2/15	TPHRUBG/KHAPBT 2/13	----------	----------	----------
continuance	KUPB/TEUPB/AOUPBS 3/15	KOPB/TEUPB/KWRAPBS 3/16	(mandatory brief)	(mandatory brief)	(mandatory brief)
effluence	EF/HRAOUPBS 2/10	EF/HRAOUPBS 2/10	----------	----------	----------
already	AUL/RED/AE 3/8	AL/RED/TKEU 3/9	(mandatory brief)	(mandatory brief)	(mandatory brief)
dignity	TKEUG/TPH-T/AE 3/11	TKEUG/TPHEU/TEU 3/13	TKEUG/TPHEUT 2/11	TKEUG/TPHEUT 2/11	----------
alleys	AL/AEZ 2/5	AL/HRAOE/-S 3/8	----------	A*L/AOE/-Z 3/7	----------
cities	SEUT/AEZ 2/7	SEUT/TEU/-S 3/8	(mandatory brief)	SEUT/KWREU 2/9	(mandatory brief)
biopsied	PWEU/AUPS/AED 3/11	PWAOEU/OP/SEU/-D 4/12	PW*EU/OP/SAOED 3/12	PW*EU/OP/SEU/-D 4/11	----------
journeyed	SKWRURPB/AED 2/11	SKWRUR/TPHAOE/-D 3/13	SKWRORPB/TPHAOE/-D 3/15	SKWRURPB/AOE/-D 3/12	----------
babying	PWAEUB/AEG 2/9	PWAEU/PWEU/-G 3/10	PWAEUB/AOE/-G 3/10	PWAEUB/KWREU/-G 3/12	----------
scurrying	SKUR/AEG 2/7	SKUR/REU/-G 3/8	SKUR/AOE/-G 3/8	----------	SKAOUR/AEG 2/9
zombie	SWRAUPL/PWAE 2/11	SO*PL/PWAOE 2/10	----------	STKOPL/PWAOE 2/11	----------
bulky	PWUL/KAE 2/7	PWUL/KEU 2/7	----------	PWUL/-BG/KWREU 3/11	PWUL/KAEFPL 2/10
remedy	REPL/TKAE 2/8	REPL/TKEU 2/8	REPL/TKAOE 2/9	REPL/ED/KWREU 3/11	REPL/TKAEFPL 2/11
properly	PRAUP/-R/HRAE 3/10	PROP/ER/HREU 3/10	(mandatory brief)	(mandatory brief)	(mandatory brief)
acme	ABG/PHAE 2/7	ABG/PHAOE 2/8	ABG/PHAOE 2/8	ABG/PHAOE 2/8	ABG/PHAOE 2/8
acne	ABG/TPHAE 2/8	ABG/TPHAOE 2/9	ABG/TPHAOE 2/9	----------	ABG/TPHAOE 2/9
pulpy	PUL/PAE 2/6	----------	----------	----------	----------
soliloquy	SHREUL/KWAE 2/10	SHREUL/KWAOE 2/11	SOL/EUL/KWAOE 3/11	----------	----------
imagery	EUPL/-PBLG/RAE 3/11	EUPL/APBLG/REU 3/12	EUPL/APBLG/RAOE 3/13	*EUPL/APBLG/REU 3/13	----------
envy	TPH-/SRAE 2/7	EPB/SREU 2/7	EPB/SRAOE 2/8	*EPB/SRAOE 2/9	----------
ennui	AUPB/WAE 2/7	EPB/WAOE 2/7	----------	*EPB/AOU/AOE 3/10	----------
specialty	SPELGS/TAE 2/9	SPERBL/TEU 2/9	SPERBLT 1/7	SPERBL/TEU 2/9	SPERBLT 1/7
honesty	HAUPB/STAE 2/9	HOPB/STEU 2/8	HOPB/*ES/TAOE 3/11	----------	HOPB/STAEFPL 2/11
optometry	AUP/TAUPL/TRAE 3/12	OP/TOPL/TREU 3/10	OP/TOPL/TRAOE 3/11	OP/TOPL/ET/REU 4/11	----------
assembly	U/SEPL/PWHRAE 3/11	AEU/SEPL/PWHREU 3/13	AEU/SEPL/PWHRAOE 3/14	A/SEPL/PWHREU 3/11	A/SEPL/PWHRAEFPL 3/14

	Phoenix Theory	StenEd	CCST	RWG	RW/RT
practically	PRABGT/KHRAE 2/11	PRABGT/KHREU 2/11	PRABG/HRAOE 2/10	PRABGT/EUBG/AL/HREU 4/16	PRABGT/HRAEFPL 2/13
belfry	PWEL/TPRAE 2/9	PWEL/TPREU 2/9	----------	PWEL/TPREU 2/9	----------
capitalistic	KAP/T-L/ST-BG 3/9	KAPT/HR*EUS/EUBG 3/14	----------	KAP/TAL/EUFT/EUBG 4/14	----------
modernistic	PHAUD/-RPB/ST-BG 3/12	----------	----------	----------	----------
budgetary	PWUPBLG/TAER 2/11	PWUPBLG/TAEUR 2/12	----------	PWUPBLG/ET/KWRAER 3/15	----------
evolutionary	EFB/HRAOUGZ/AER 3/13	*EF/HRAOUGS/TPHAEUR 3/17	----------	----------	EF/HRAOUGS/TPHAER 3/15
voluntarily	SRAUL/TAERL 2/10	SROL/TAEUR/HREU 3/13	SROL/UPB/TAR/HRAOE 4/15	----------	(mandatory brief)
momentarily	PHOEPLT/AERL 2/11	PHOEPLT/TAEUR/HREU 3/16	PHOPLT/TAEUR/HRAOE 3/16	PHO/-PLT/AEUR/EUL/KWREU 5/18	PHOEPLT/TAEUR/HRAEFPL 3/19
dormitory	TKORPL/TOEUR 2/11	TKORPL/TOEUR 2/11	----------	TKORPL/EUT/KWRAOR/KWREU 4/20	(mandatory brief)
promissory	PRAUPL/SOEUR 2/11	PROPL/SOEUR 2/10	PROPL/SOR/KWRAOE 3/14	PROPL/EUS/SOR/KWREU 4/16	(mandatory brief)
derogatorily	TKRAUG/TOEURL 2/12	TKROG/TOEUR/HREU 3/14	----------	TKAO*E/ROG/AT/KWRAOR/EUL/KWREU 6/25	----------
negatorily	TPHEG/TOEURL 2/11	----------	----------	----------	----------
agility	U/SKWREULT 2/9	AEU/SKWREUL/TEU 3/13	----------	A*G/EULT 2/7	----------
frivolity	TPREU/SRAULT 2/11	TPREU/SROL/TEU 3/12	TPREUFB/O*LT 2/11	TPREUF/OL/EUT 3/11	----------
volatility	SRAUL/TEULT 2/10	SROL/TEUL/TEU 3/11	SROL/TEULT 2/9	SROL/AT/EULT 3/10	----------
whimsicality	WHEUPLZ/KALT 2/11	----------	----------	----------	----------
tranquility	TRAPB/KWEULT 2/11	TRAPB/KWEUL/TEU 3/13	TRAPB/KWEULT 2/11	----------	TRAPB/KWEULT 2/11
priorities	PREU/ORTS 2/8	PRAOEU/KWROR/TEU/-S 4/15	(mandatory brief)	PRAOEU/ORT/-Z 3/10	PRAOEURTS 1/9
authorities	U/THORTS 2/7	AU/THOR/TEU/-S 4/10	(mandatory brief)	(mandatory brief)	(mandatory brief)
eternity	E/T-RPBT 2/6	E/TERPB/TEU 3/9	AOE/TERPBT 2/9	AO*E/TERPB/EUT 3/12	----------
fraternity	TPRU/T-RPBT 2/9	TPRA/TERPB/TEU 3/12	TPRA/TERPBT 2/10	TPRAT/ERPB/EUT 3/12	TPRA/TERPBT 2/10
negativity	TPHEG/TEUFBT 2/11	----------	----------	----------	----------
rescue	RES/KAOU 2/7	RES/KAOU 2/7	RES/KAOU 2/7	RES/KAOU 2/7	RES/KAOU 2/7
argue	ARG/AOU 2/6	AR/TKPWAOU 2/9	(mandatory brief)	ARG/AOU 2/6	(mandatory brief)
tribute	TREUB/AOUT 2/9	TREUB/PWAOUT/-S 3/12	TREUB/AOUTS 2/10	TREUB/AOUT/-Z 3/10	----------
genuine	SKWREPB/W-PB 2/10	SKWREPB/KWRAOUPB 2/15	SKWREPB/WEUPB 2/12 [32]	SKWREPB/AOU/EPB 3/13	SKWREPB/WEUPB 2/12
innuendo	TPH-/AOU/EPBD/OE 4/12	EUPB/KWRAOUPB/TKOE 3/16	EUPB/WEPB/TKOE 3/12	*EUPB/AOU/EPBD/OE 4/14	----------
Europe	KWRURP 1/6	KWRAOURP 1/8	KWRAOURP 1/8	AOUR/OP 2/6	AOURP 1/5
unilateral	KWRAOUPB/HRAT/R-L 3/14	KWRAOUPB/HRAT/RAL 3/15	(mandatory brief)	AOUPB/KWR*EU/HRAT/ER/AL 5/19	KWRAOUPB/HRAT/RAL 3/15
utility	KWRAOU/TEULT 2/11	KWRAOU/TEUL/TEU 3/13	U/TEULT 2/6 [33]	AOUT/EULT 2/8	U/TEULT 2/6
utilized	KWRAOUT/HR-Z/-D 3/11	KWRAOUT/HRAOEUZ/-D 3/15	AOUT/HRAOEUZ/-D 3/12	AOUT/EUL/EUZ/-D 4/11	----------
singular	SEUPBG/KWRARL 2/12	SEUPBG/HRAR 2/10	SEUPBG/HRAR 2/10	----------	----------
spectacular	SPEBG/TABG/KWRARL 3/15	SPEBG/TABG/HRAR 3/13	SPEBG/TABG/HRAR 3/13	SPEBGT/ABG/KWRAOUL/AR 4/18	----------
stipulation	STEUP/KWR-LGZ 2/11	STEUP/HRAEUGS 2/12	STEUP/HRAEUGS 2/12	STEUP/KWRAOUL/AEUGS 3/17	STEUP/HRAEUGS 2/12
speculation	SPEBG/KWR-LGZ 2/11	SPEBG/HRAEUGS 2/12	SPEBG/HRAEUGS 2/12	SPEBG/KWRAOUL/AEUGS 3/17	SPEBG/HRAEUGS 2/12
virulent	SRAOERL/-PBT 2/10	SREUR/HREPBT 2/11	SREUR/AOU/HREPBT 3/14	SREUR/KWRAOUL/EPBT 3/16	----------
coagulant	KWAG/KWR-L/-PBT 3/11	KWAG/HRAPBT 2/10	KWAG/HRAPBT 2/10	KO/AG/KWRAOUL/APBT 4/15	----------
regulate	REG/KWR-LT 2/8	REG/HRAEUT 2/9	REG/HRAEUT 2/9 [34]	REG/KWRAOUL/KWRAET 3/16	----------
simulate	SEUPL/KWR-LT 2/10	SEUPL/HRAEUT 2/11	SEUPL/HRAEUT 2/11	----------	----------
fabulous	TPAB/KWR-LS 2/9	TPAB/HROUS 2/9	TPAB/HRUS 2/8	TPAB/KWRAOUL/OUS 3/14	----------
populous	PAUP/KWR-LS 2/9	POP/HROUS 2/8	----------	POP/KWRAOUL/OUS 3/13	POP/HROUS 2/8
strenuous	STREPB/KWROUS 2/12	STREPB/KWROUS 2/12	STREPB/WUS 2/9	----------	STREPB/KWRAOUS 2/13
voluptuous	SRU/HR-P/KH-S 3/9 SRO/HR-P/KH-S	SRO/HRUP/-RBS 3/10	----------	SRO*L/UPT/AOU/OUS 4/14	----------
infatuation	TPH-/TPAFP/WAEUGZ 3/14	EUPB/TPAFP/WAEUGS 3/15	----------	*EUPB/TPAT/AOU/AEUGS 4/17	----------
issuance	EUGS/W-PBS 2/8	EURB/KWRAOUPBS 2/13	EURB/AOUPBS 2/10	EURB/AOU/APBS 3/11	EURB/KWRAPBS 2/11
assiduous	U/SEUPBLG/W-S 3/10	AEU/SEUD/KWROUS 3/13	----------	----------	----------
accentuate	ABG/SEPB/KHAUT 3/12	ABG/SEPB/KHAEUT 3/13	ABG/SEPBT/AOUT 3/12	ABG/SEPBT/WAEUT 3/13	----------
constituent	KUPB/STEUFP/W-PBT 3/14	KOPB/STEUFP/WEPBT 3/15	----------	KO*PB/STEUT/AOU/EPBT 4/17	----------

	Phoenix Theory	StenEd	CCST	RWG	RW/RT
onions	UPB/KWR-PBZ 2/9	UPB/KWROPB/-S 3/10	UPB/KWRUPBS 2/10	O*PB/KWROPB/-Z 3/11	----------
patio	PAT/KWROE 2/8	PAT/KWROE 2/8	PAT/KWROE 2/8	PAT/KWROE 2/8	PAT/KWROE 2/8
senior	SAOEPB/KWR-R 2/10	SAOEPB/KWROR 2/11	SAOEPB/KWROR 2/11	SAOEPB/KWROR 2/11	----------
sorriest	SOR/KWR*S 2/8	SOR/KWR*ES 2/9	----------	----------	----------
audience	AUD/KWR-PBS 2/9	AUD/KWREPBS 2/10	AUD/KWREPBS 2/10	AUD/KWREPBS 2/10	----------
obedient	O/PWAOED/KWR-PBT 3/13	O/PWAOED/KWREPBT 3/14	----------	O*E/PWAOED/KWREPBT 3/16	----------
radial	RAEUD/KWR-L 2/9	RAEUD/KWRAL 2/10	RAEUD/KWRAL 2/10	RAEUD/KWRAL 2/10	----------
phobia	TPOEB/KWRU 2/9	TPOEB/KWRA 2/9	TPOEB/KWRA* 2/10	TPOEB/KWRA 2/9	TPOEB/KWRA 2/9
radiation	RAEUD/KWRAEUGZ 2/13	RAEUD/KWRAEUGS 2/13	RAEUD/KWRAEUGS 2/13	RAEUD/KWRAEUGS 2/13	RAEUD/KWRAEUGS 2/13
premium	PRAOEPL/KWR-PL 2/12	PRAOEPL/KWRUPL 2/13	PREPL/KWRUPL 2/11	PRAOEPL/KWRUPL 2/13	PRAOEPL/KWRUPL 2/13
previous	PRAOEFB/KWR-S 2/11	PRAO*EF/KWROUS 2/13	PREFB/KWRUS 2/10	PRAOEF/KWRUS 2/11	(mandatory brief)
repudiate	RE/PAOUD/KWRAEUT 3/14	RE/PAOUD/KWRAEUT 3/14	----------	RAO*E/PAOUD/KWRAEUT 3/17	----------
period	PAOER/KWR-D 2/9	PAOER/KWROD 2/10	(mandatory brief)	(mandatory brief)	(mandatory brief)
cardiac	KARD/KWRABG 2/10	KARD/KWRABG 2/10	KARD/KWRA*BG 2/11	KARD/KWRABG 2/10	KARD/KWRABG 2/10
potentiality	PU/TEPB/KHALT 3/11	PO/TEPB/-RBL/TEU 4/12	PO/TEPBGS/EUT 3/11	POE/TEPB/SHAL/EUT 4/14	----------
seniority	SAOEPB/KWRORT 2/12	SEPB/KWROR/TEU 3/12	SEPB/KWRORT 2/10	SAOEPB/KWRORT 2/12	(mandatory brief)
amiable	AEUPL/KWR-BL 2/10	AEUPL/KWRABL 2/11	AEUPL/KWRABL 2/11	AEUPL/KWRABL 2/11	----------
subsidiaries	SUB/SEUD/KWRAERZ 3/14	SUB/SEUD/KWRAEUR/-S 4/15	SUB/SEUD/RAOES 3/12	S*UB/SEUD/KWRAEUR/KWREUZ 4/21	SUB/SEU/TKAEUR/AOEZ 4/16
evacuate	E/SRABG/KWRAUT 3/12	E/SRABG/WAEUT 3/11	E/SRABG/KWRAEUT 3/13	AO*E/SRABG/AOU/KWRAEUT 4/19	----------
insinuate	TPH-/SEUPB/KWRAUT 3/14	EUPB/SEUPB/KWRAEUT 3/16	EUPB/SEUPB/AOUT 3/13	*EUPB/SEUPB/AOU/KWRAET 4/19	EUPB/SEUPB/WAEUT 3/14
devaluation	TK-/SRAL/KWRAUGZ 3/13	TKE/SRAL/WAEUGS 3/13	----------	TKAO*E/SRAL/AOU/AEUGS 4/18	----------
evacuation	E/SRABG/KWRAUGZ 3/13	E/SRABG/WAEUGS 3/12	AOE/SRABG/WAEUGS 3/14	AO*E/SRABG/AOU/AEUGS 4/17	----------
fluctuate	TPHRUBG/KHAUT 2/12	TPHRUBG/KHAEUT 2/13	TPHRUBGS/AOUT 2/12	TPHRUBGT/AOU/KWRAET 3/17	TPHRUBGT/KWRAEUT 2/15
punctuate	P*UPBG/KHAUT 2/11	PUPBG/KHAEUT 2/11	----------	----------	PUFBGT/KWRAEUT 2/13
effectuation	E/TPEBG/KHAUGZ 3/12	----------	----------	----------	----------
punctuation	P*UPBG/KHAUGZ 2/12	PUPBG/KHAEUGS 2/12	P*UPBG/TAOUGS 2/12	----------	PUFBG/KWRAEUGS 2/13
mentally	PHEPBT/AEL 2/9 (15)	PHEPBT/HREU 2/10	----------	PHEPBT/AL/HREU 3/12	----------
manually	PHAPB/KWRAEL 2/11	PHAPB/KWRUL/HREU 3/14	PHAPB/AOUL/HRAOE 3/14	PHAPB/AOU/AL/HREU 4/14	----------
forcefully	TPORS/TPAEL 2/10	TPORS/TPHREU 2/11	----------	TPORS/TPHREU 2/11	----------
regionally	RAOEPBLG/TPHAEL 2/14	RAOEPBLG/TPHAL/HREU 3/17	----------	RAOEPBLG/KWRAOPB/AL/HREU 4/21	----------
federally	TPED/RAEL 2/8	TPED/RAL/HREU 3/11	TPED/RAL/AO*E 3/11	----------	----------
equally	E/KWAEL 2/6	E/KWAL/HREU 3/9	AOE/KWAL/HRAOE 3/12	AO*E/KWAUL/HREU 3/13	(mandatory brief)
capitally	KAP/TAEL 2/7	----------	----------	----------	----------
spiritually	SPAOER/KHAEL 2/11	SPEUR/KHUL/HREU 3/13	SPEURT/AOUL/HRAOE 3/15	----------	----------
structurally	STRUBG/KHAERL 2/12	STRUBG/KHURL/HREU 3/15	----------	(mandatory brief)	----------
paternally	PU/TAERPBL 2/9	PA/TERPBL/HREU 3/12	----------	PAT/ERPB/AL/HREU 4/13	----------
admirably	AD/PH-R/AEBL 3/9	AD/PHEUR/PWHREU 3/13	AD/PHEUR/PWHRAOE 3/14	A*D/PHEUR/PWHREU 3/14	----------
honorably	HAUPB/RAEBL 2/10	HOPB/RA/PWHREU 3/12	HOPB/PWHRAOE 2/11	--------	----------
reasonably	RAOEZ/TPHAEBL 2/12	RE/SOPB/PWHREU 3/12	(mandatory brief)	(mandatory brief)	(mandatory brief)
profitably	PRAUFT/AEBL 2/10	PROFT/PWHREU 2/11	PROFT/PWHRAOE 2/12	----------	----------
variably	SRAEUR/KWRAEBL 2/13	SRAEUR/PWHREU 2/12	----------	SRAEUR/KWRABL/KWREU 3/17	----------
manageably	PHAPB/SKWRAEBL 2/13	----------	----------	----------	----------
conspiracy	KUPB/SPAOER/AES 3/13	KOPB/SPEUR/SEU 3/12	----------	KO*PB/SPEUR/AS/KWREU 4/17	(mandatory brief)
democracy	TK-/PHAUBG/RAES 3/12	TKPHOBG/RA/SEU 3/12	TKPHOBG/RAS/AO*E 3/14	TKEPL/OBG/RAS/KWREU 4/16	----------
embassy	EPL/PWAES 2/8	EPL/PWA/SEU 3/9	----------	*EPL/PWAS/KWREU 3/13	----------
ecstasy	EBGS/TAES 2/8	EBGS/TA/SEU 3/9	----------	----------	----------
agency	AEUPBLG/AEPBS 2/11	AEUPBLG/EPB/SEU 3/13	(mandatory brief)	(mandatory brief)	(mandatory brief)
brilliancy	PWREUL/KWRAEPBS 2/14	----------	----------	PWREUL/KWRAPBS/KWREU 3/18	----------
incompetency	TPH-/KAUFPL/TAEPBS 3/15	EUPB/KPE/TEPB/SEU 4/14	EUPB/KPE/TEPB/SAOE 4/15	*EUPB/KPET/EPBS/KWREU 4/18	----------

	Phoenix Theory	StenEd	CCST	RWG	RW/RT
pregnancy	PREG/TPHAEPBS 2/12	PREG/TPHAPB/SEU 3/13	PREG/TPHAPB /SAOE 3/14	PREG/TPHAPBS/KWREU 3/16	PREG/TPHAPBS/AEFPL 3/16
constituency	KUPB/STEUFP/WAEPBS 3/16	KOPB/STEUFP/WEPB/SEU 4/17	----------	KO*PB/STEUT/AOU/EPBS/KWREU 4/22	----------
excellency	EBGS/HRAEPBS 2/11	----------	----------	----------	----------
significancy	SEUG/TPHEUF/KAEPBS 3/16	----------	----------	----------	----------
harmony	HARPL/AEPB 2/9	HARPL/TPH*EU 2/11	HARPL/OPB/AOE 3/11	HARPL/KWRAOPB/KWREU 3/17	(mandatory brief) [52]
symphony	SEUPL/TPAEPB 2/11	SEUFRP/TPH*EU 2/12	----------	----------	----------
Albany	AUL/PWAEPB 2/9	AL/PWA/TPH*EU 3/11	AUL/PWAPB/AOE 3/11	A*L/PWAPB/KWREU 3/13	(mandatory brief)
balcony	PWAL/KAEPB 2/9	PWAL/KO/TPH*EU 3/12	PWAL/KOPB/KWRAOE 3/14	PWAL/KOPB/KWREU 3/13	PWAL/KOPB/AEFPL 3/13
company	KUPL/PAEPB 2/9	KOFPR/TPH*EU 2/11	(mandatory brief)	(mandatory brief)	(mandatory brief)
bigamy	PWEUG/AEPL 2/9	PWEUG/PH*EU 2/10	PWEUG/PHAOE 2/10	PWEUG/APL/KWREU 3/13	----------
therapy	THAEUR/AEP 2/9	THER/PEU 2/7	THER/PAOE 2/8	----------	THER/PAEFPL 2/10
sympathy	SEUPL/PAEGT 2/10	SEUFRP/TH*EU 2/11	SEUFRP/THAOE 2/11	----------	SEUPL/THAEFPL 2/12
catastrophe	KU/TA*S/RAEF 3/10	KA/TA*S/TPEU 3/10	----------	KAT/AFT/ROF/AOE 4/12	----------
prodigies	PRAUD/AEPBLGZ 2/12	PROD/SKWREU/-S 3/11	----------	PROD/EUPBLG/KWREU/-Z 4/16	----------
panicky	PAPB/AEBG 2/8	PAPB/EUBG/KEU 3/11	PAPB/*EUBG/KWRAOE 3/15	----------	----------
trustworthy	TR*US/WAERGT 2/11	TR*US/WOR/TH*EU 3/13 [16]	----------	----------	TRUSZ/WR-TD/AEFPL 3/14
energy	TPH-/AERPBLG 2/10	EPB/ER/SKWREU 3/11	EPB/*ER/SKWRAOE 3/13	*EPB/ERPBLG/KWREU 3/15	(mandatory brief)
amnesty	APL/TPHA*ES 2/10	APL/TPHES/TEU 3/11	----------	----------	----------
monarchy	PHAUPB/AERBG 2/11	PHOPB/AR/KEU 3/10	----------	PHOPB/ARBG/KWREU 3/14	----------
bankruptcy	PWA*PBG/RAEPS 2/12	PWA/PBG/RUP/SEU 3/13	(mandatory brief)	PWAFRPBG/RUPT/SEU 3/15	PWAPBG/RUPT/SAEFPL 3/16
jeopardy	SKWREP/AERD 2/10	SKWREP/TKEU 2/10	SKWREP/TKAOE 2/11	SKWREP/ARD/KWREU 3/14	----------
subtlety	SUT/AELT 2/7	SUT/-L/TEU 3/7	SUT/*ELT 2/7	----------	----------
galaxy	TKPWAL/AEBGS 2/11	TKPWAL/ABG/SEU 3/12	----------	TKPWAL/AFL/KWREU 3/14	----------
recurrency	RE/KAERPBS 2/9	----------	----------	----------	----------
rubbishy	RUB/AEGS 2/7	----------	----------	----------	----------
normalcy	TPHORPL/AELS 2/11	TPHOR/PHAL/SEU 3/12	TPHORPL/*L/SAOE 3/13 [35]	TPHORPL/AL/SEU 3/12	----------
realism	RAOEL/-FPL 2/8	RAEL/EUFPL 2/9	RAEL/EUFPL 2/9	RAEL/EUFPL 2/9	----------
neutralism	TPHAOUT/R-L/-FPL 3/12	----------	----------	----------	----------
skepticism	SKEPT/S-FPL 2/9	SKEPT/SEUFPL 2/11	SKEPT/SEUFPL 2/11	----------	----------
syllabism	SEUL/PW-FPL 2/9	----------	----------	----------	----------
catechism	KAT/K-FPL 2/7	KAT/KEUFPL 2/9	KAT/KEUFPL 2/9	KAT/KEUFPL 2/9	----------
pacifism	PAS/TP-FPL 2/8	PAS/TPEUFPL 2/10	----------	PAS/EUF/EUFPL 3/11	----------
rheumatism	RAOUPL/T-FPL 2/10	RAOUPL/TEUFPL 2/12	RAOUPL/TEUFPBL 2/13	----------	RAOUPL/TEUSZ 2/11
fatalism	TPAEUT/HR-FPL 2/11	TPAEUT/HREUFPL 2/13	----------	----------	----------
recidivism	RE/SEUD/SR-FPL 3/11	RE/SEUD/SREUFPL 3/13	----------	----------	----------
atheism	AEUGT/KWR-FPL 2/11	A*EUT/KWREUFPL 2/13	----------	----------	----------
urbanism	URB/TPH-FPL 2/9	URB/TPHEUFPL 2/11	----------	----------	----------
pessimism	PES/PH-FPL 2/8	PESZ/PHEUFPL 2/11	PES/PHEUFPL 2/10	PES/PHEUFPL 2/10	----------
plagiarism	PHRAEUPBLG/R-FPL 2/14	PHRAEUPBLG/REUFPL 2/16	PHRAEUPBLG/REUFPL 2/16	PHRAEUPBLG/KWRAR/EUFPL 3/20	----------
solecism	SAUL/S-FPL 2/8	----------	----------	----------	----------
eclipse	E/KHREUPS 2/8	E/KHREUPS 2/8	----------	AO*E/KHREUPS 2/11	----------
emotion	E/PHOEGZ 2/7	E/PHOEGS 2/7	AOE/PHOEGS 2/9	AO*E/PHOEGS 2/10	E/PHOEGS 2/7
demigod	TKEPL/E/TKPWAUD 3/13	----------	----------	----------	----------
Hollywood	HAUL/E/WAOD 3/9	HOL/HREU/WAOD 3/11	HOL/HRAOE/WAOD 3/12	HOL/KWREU/WAOD 3/12	----------
idealism	EU/TKAOEL/-FPL 3/11	AOEU/TKAOEL/EUFPL 3/15	----------	AOEU/TKAOEL/EUFPL 3/15	----------
irate	EU/RAEUT 2/7	AOEU/RAEUT 2/9	AOEU/RAEUT 2/9	AOEU/RAEUT 2/9	----------
irascible	EUR/AS/-BL 3/7	EUR/RAS/-BL 3/8	EUR/RAS/-BL 3/8	*EUR/AS/EUBL 3/10	----------
irrelevance	EUR/EL/SR-PBS 3/10	EUR/REL/SRAPBS 3/12	EUR/REL/SRAPBS 3/12	*EUR/REL/EF/APBS 3/13	----------
atypical	AEU/TEUP/K-L 3/9	AEU/TEUP/KAL 3/10	AEU/TEUP/K-L 3/9	A/TEUP/KAL 3/8	----------

	Phoenix Theory	StenEd	CCST	RWG	RW/RT
asocial	AEU/SOELGS 2/9	----------	----------	----------	----------
obedience	O/PWAOED/KWR-PBS 3/13	O/PWAOED/KWREPBS 3/14	----------	O*E/PWAOED/KWREPBS 3/16	----------
omission	O/PHEUGZ 2/7	O/PHEUGS 2/7	O/PHEUGS 2/7	O*E/PHEUGS 2/9	O/PHEUGS 2/7
chalet	SHA/HRAEU 2/8 SHAL/A*EU	SHA/HRAEU 2/8	----------	----------	----------
pate	PA/TAEU 2/6 PAT/A*EU	PA/TAEU 2/6	----------	----------	----------
radii	RAEUD/KWRAOEU 2/12 RA/TKAOEU	RAEUD/KWRAOEU 2/12	RAEUD/KWRAOEU 2/12	----------	----------
bacilli	PW-/SEUL/AOEU 3/10	PWA/SEUL/HRAOEU 3/13	PWA/SEUL/AOEU 3/11	----------	----------
bureau	PWAOUR/OE 2/8	PWAOU/ROE 2/8	PWAOUR/OE 2/8	PWAOUR/OE 2/8	PWUR/KWROE 2/9
echo	EBG/OE 2/5	EBG/KOE 2/6	EBG/KO*E 2/7	EBG/OE 2/5	EBG/KWROE 2/8
pizza	PAOETS/AU 2/8	PAOET/SA* 2/8	PAOET/STKPWHRA 2/13	PEUZ/AU 2/6	PAOEZ/KWRA 2/9
antenna	APB/TEPB/AU 3/9	APB/TEPB/TPHA 3/11	APB/TEPB/TPHA*EU 3/14	A*PB/TEPB/AU 3/10	----------
speechless	SPAOEFP/HR-SZ 2/11	SPAOEFP/HRES 2/11	----------	SPAOEFP/-LS 2/9	----------
thoughtless	THAUT/HR-SZ 2/9	THAUT/HRES 2/9	----------	----------	----------
rudeness	RAOUD/TPH-SZ 2/10	RAOUD/*PBS 2/9	----------	----------	----------
quickness	KWEUBG/TPH-SZ 2/11	KWEUBG/*PBS 2/10	KWEUBG/-PBS 2/9	----------	----------
edginess	EPBLG/TPHAESZ 2/12	EPBLG/SKWREU/*PBS 3/15	----------	EPBLG/KWREU/-PBS 3/13	----------
chilliness	KHEUL/TPHAESZ 2/12	KHEUL/HREU/*PBS 3/13	----------	----------	----------
narrator	TPHAEUR/AEURT 2/12	TPHAR/RAEU/TOR 3/12	----------	TPHAEUR/KWRAET/KWRAOR 3/19	----------
operator	AUP/RAEURT 2/9	OP/RAEU/TOR 3/9	(mandatory brief)	(mandatory brief)	(mandatory brief) [53]
perpetrator	PURP/TRAEURT 2/11	PERP/TRAEURT 2/11	PERP/TRAEUT/O*R 3/13	PERP/TRAEUT/KWRAOR 3/16	(mandatory brief)
promoters	PRU/PHOERTS 2/10 PRO/PHOERTS	PRO/PHOET/ERS 3/11	----------	PRO*E/PHOET/ER/-Z 4/13	----------
multimotor	PHULT/PHOERT 2/11	----------	----------	----------	----------
voltmeters	SROELT/PHAOERTS 2/14	SROLT/PHAOET/ERS 3/14	SROLT/PHAOET/*ERS 3/15	----------	----------
centimeters	SEPBT/PHAOERTS 2/13	SEPB/TEU/PHAOET/ERS 4/16	SEPBT/PHAOET/*ERS 3/15 [36]	KREPBT/PHAOET/ER/-Z 4/15	----------
prosecutors	PRAUS/KAOURTS 2/12	PROS/KAOU/TOR/-S 4/12	PROS/KAOUT/O*RS 3/13	PROS/EBG/AOUT/KWRAOR/-Z 5/18	(mandatory brief)
computers	KUPL/PAOURTS 2/11	KOPL/PAOUT/ERS 3/12	KPAOUT/*ERS 2/10	KPAOUT/ER/-Z 3/9	KPAOUT/KWRERZ 2/12
scriptwriters	SKREUPT/WRAOEURTS 2/16	----------	----------	----------	----------
expediters	EBGS/PU/TKAOEURTS 3/15	EBGS/PE/TKAOEUT/ERS 4/16	----------	SKPED/AOEUT/ER/-Z 4/13	----------
beautified	PWAOUT/TPAOEUD 2/13	----------	PWAOUT/TPAOEUD 2/13	PWAOUT/TPAOEU/-D 3/13	----------
defying	TK-/TPAOEUG 2/9	TKE/TPEU/-G 3/8	----------	TKAO*E/TPAOEU/-G 3/13	----------
crucifies	KRAOUS/TPAOEUZ 2/13	KRAOUS/TPEU/-S 3/11	----------	----------	----------
exaggerated	KPAPBLG/RAEUT/-D 3/13	KPAPBLG/RAEUT/-D 3/13	KPAPBLG/RAEUT/-D 3/13	SKAPBLG/ER/KWRAET/-D 4/16	SKPAPBLG/RAEUT/AED 3/16
exist	KP*EUS 1/6	KP*EUS 1/6	KP*EUS 1/6	----------	SKPEUSZ 1/7
comedians	KPHAOED/KWR-PBZ 2/13	KPHAOED/KWRAPB/-S 3/14	----------	KOPL/AOED/KWRAPB/-Z 4/15	----------
committee	KPHEUT/AE 2/8	KPHEUT/TAOE 2/10	KPHEUT/A*E 2/9	KPHEUT/AOE 2/9	KPHEUT/KWRAOE 2/12
apology	U/PAULG 2/6	AEU/POLG 2/7	AEU/POLG 2/7	A/POLG 2/5	(mandatory brief)
criminology	KREUPL/TPHAULG 2/13	KREUPL/TPHOLG 2/12	KREUPL/TPHOLG 2/12	KREUPL/TPHOLG 2/12	----------
toxicology	TAUBGS/KAULG 2/11	TOBGS/KOLG 2/9	TOBGS/KOLG 2/9	----------	----------
seismologist	SAOEUZ/PHAULGS 2/13	SAOEUZ/PHO*LGS 2/13	SAOEUZ/PHO*LGS 2/13	----------	----------
proctologist	PRAUBG/TAULGS 2/12	PROBG/TO*LGS 2/11	PROBG/TO*LGS 2/11	----------	PROBG/TOL/SKWREUSZ 3/16
urologist	KWRUR/AULGS 2/10	KWRAOUR/O*LGS 2/12	AOUR/O*LGS 2/9	AO*UR/OLGS 2/9	AOUR/OL/SKWREUSZ 3/14
phonographic	TPOEPB/TKPWR-FBG 2/14	----------	----------	TPOEPB/OE/TKPWRAF/EUBG 4/19	----------
photograph	TPOET/TKPWR-F 2/11	TPOET/TKPWRAF 2/12	(mandatory brief)	(mandatory brief)	(mandatory brief)
monographs	PHAUPB/TKPWR-FZ 2/13	PHOPB/TKPWRAF/-S 3/13	PHOPB/OE/TKPWRAFS 3/15	PHOPB/OE/TKPWRAF/-Z 4/15	----------
cablegram	KAEUBL/TKPWR-PL 2/13	KAEUBL/TKPWRAPL 2/14	----------	KAEUBL/TKPWRAPL 2/14	----------

	Phoenix Theory	StenEd	CCST	RWG	RW/RT
diagrams	TKEU/TKPWR-PLZ 2/12	TKAOEU/TKPWRAPL/-S 3/15	TKAOEU/TKPWRAPLS 2/15	TKAOEU/AU/TKPWRAPL/-Z 4/17	TKEU/TKPWRAPLZ 2/13
horologically	HOR/HR-PBLG/KHRAE 3/14	----------		----------	
geological	SKWRE/HR-PBLG/K-L 3/13	SKWRAOE/HROPBLG/KAL 3/17	(mandatory brief)	SKWRAOE/OE/HROPBLG/EUBG/AL 5/22	SKWRE/HROLG/KAL 3/13
zoologic	SWRO/HR-PBLG/-BG 3/12	SO*E/HROPBLG/EUBG 3/15		STKAO/HROPBLG/EUBG 3/16	----------
neurosis	TPHUR/OESZ 2/9	TPHAOU/RO/SEUS 3/12	TPHAOUR/ROE/SEUS 3/14	TPHAOUR/OES/EUS 3/13	----------
oasis	O/AEUSZ 2/6	O/AEU/SEUS 3/8	O/AEUSZ 2/6	OE/AEUS/EUS 3/9	----------
prosthesis	PRAUS/THAOESZ 2/12	PROS/THE/SEUS 3/11	PROS/THAOE/SEUS 3/13	PROS/THAOES/EUS 3/13	PRO/SETD/EUS 3/10
crisis	KRAOEUSZ 1/8	KRAOEU/SEUS 2/10 [17]	KRAOEUSZ 1/8	KRAOEUS/EUS 2/10	----------
synthesis	SEUPB/TH-SZ 2/9	S*EUPBT/SEUS 2/11	S*EUPBT/SEUS 2/11	----------	----------
germicidal	SKWRURPL/S-D/-L 3/11 [18]	SKWRERPL/SAOEU/TKAL 3/17			
insecticides	TPH-/SEBGT/S-DZ 3/11	EUPB/SEBGT/SAOEUDZ 3/16	EUPB/SEBGT/TEU/SAOEUDZ 4/19	*EUPB/SEBGT/EUS/AOEUD/-Z 5/19	
shrewd	SKHRAOUD 1/8	SHRAOUD 1/7	----------	SKHRAOUD 1/8	----------
shrimp	SKHREUFPL 1/9	SHREUFRP 1/8	SHREUFRP 1/8	SHREUPL/-P 3/8	----------
bereavement	PW-/RAOEFPLT 2/10	PWE/RAO*EFPLT 2/12	PWE/RAOEF/PHEPBT 2/14	PWAO*E/RAOEF/-PLT 3/14	----------
assortment	U/SORPLT 2/7	AEU/SORT/-PLT 3/10	----------	A/SORT/-PLT 3/8	----------
containment	KUPB/TAEUPLT 2/11	KOPB/TAEUPB/-PLT 3/13	----------	KO*PB/TAEUPB/-PLT 3/14	----------
bassinets	PWAS/TPH-TS 2/9	PWAS/SEU/TPHET/-S 4/13	----------	PWAS/TPHET 2/9 [47]	----------
cigarettes	SEUG/R-TS 2/7	SEUG/RET/-S 3/8	SEUG/RETS 2/8	SEUG/AR/ET/-Z 4/9	SEUG/RETS 2/8
Corvette	KOR/SR-T 2/6	----------	----------	----------	KOR/SRET 2/7
hexagons	HEBGS/TKPW-PBZ 2/12	HEBGS/TKPWOPB/-S 3/13 [19]	----------	HEFPL/AG/KWRAOPB/-Z 4/15	----------
handguns	HAPBD/TKPW-PBZ 2/12	HAPBD/TKPWUPB/-S 3/13 [20]	HAPBD/TKPWUPBS 2/13 [20]	HAPBD/TKPWUPB/-Z 3/13 [20]	HAPBD/AE/TKPWUPBZ 3/15
parachute	PAUR/SHAOUT 2/10	PAR/SHAOUT 2/9	PAR/KHAOUT 2/9	PAEUR/A/SHAOUT 3/12	----------
aeronautic	AUR/TPHAUT/-BG 3/11	AER/TPHAUT/EUBG 3/13	AER/TPHAUT/*EUBG 3/14	A*ER/OE/TPHAUT/EUBG 4/16	----------
barometric	PWAUR/PHET/R-BG 3/12	PWAR/PHET/REUBG 3/13 [21]	PWAR/PHET/REUBG 3/13 [21]	PWAR/OPL/ET/REUBG 4/14	PWAEUR/PHET/REUBG 3/15
caravan	KAUR/SRAPB 2/9	KAR/SRAPB 2/8 [22])	----------	KAEUR/A/SRAPB 3/11	----------
cerebrum	SAUR/PWR-PL 2/9	SER/PWRUPL 2/9	----------	SER/AOEB/RUPL/ 3/11	----------
kerosene	KAUR/SAOEPB 2/10	KER/SAOEPB 2/9	KER/OE/SAOEPB 3/11	KER/OES/AOEPB 3/11	----------
maritime	PHAUR/TAOEUPL 2/12	PHAR/TAOEUPL 2/11	PHAR/TAO*EUPL 2/12	PHAEUR/EUT/AOEUPL 3/15	PHAEUR/TAOEUPL 2/13
electric	HREBG/TR-BG 2/9	HREBG/TREUBG 2/11	HREBG/TREUBG 2/11	AO*E/HREBGT/REUBG 3/15	(mandatory brief)
electronic	HREBG/TRAUPB/-BG 3/13	HREBG/TROPB/EUBG 3/14	HREBG/TROPB/*EUBG 3/15	AO*E/HREBGT/ROPB/EUBG 4/18	(mandatory brief)
electrify	HREBG/TRU/TPAOEU 3/14	HREBG/TREU/TPEU 3/13	----------	AO*E/HREBGT/REU/TPAOEU 4/19	----------
electrocute	HREBG/TRU/KAOUT 3/13	HREBG/TRO/KAOUT 3/13	HREBG/TROE/KAOUT 3/14	AO*E/HREBGT/ROE/KAOUT 4/18	----------
electrostatic	HREBG/TRO/STAT/-BG 4/14	HREBG/TRO/STAT/EUBG 4/16	----------	AO*E/HREBGT/ROE/STAT/EUBG 5/21	----------
electrolysis	HREBG/TRAUL/S-S 3/12	HREBG/TROL/SEUS 3/13	----------	AO*E/HREBGT/ROL/EUS/EUS 5/19	----------
superficial	SPR-/TPEULGS 2/10	SAO*UP/TPEURBL 3/13	SAOUP/TPEUGS 2/11	SAO*UP/TPEURBL 2/13	SAOUP/TPEURBL 2/12
supermarket	SPR-/PHARBGT 2/10	SAO*UP/PHARBGT 2/13	SAOUP/PHARBGT 2/12	SAO*UP/PHARBG/ET 3/14	SAOUP/PHARBGT 2/12
automatic	AOT/PHAT/-BG 3/9	AUT/PHAT/EUBG 3/11	(mandatory brief)	AUT/OE/PHAT/EUBG 4/13	AUT/PHAT/KWREUBG 3/14
autograph	AOT/TKPWR-F 2/9	AUT/TKPWRAF 2/10	AO/TKPWRAF 2/9	AUT/OE/TKPWRAF 3/12	----------
post-mortem	PO*S/PHORT/-PL 3/11	PO*S/PHOR/TEPL 3/12	PO*ES/PHOR/TEPL 3/13	----------	----------
postdate	PO*S/TKAET 2/9	PO*S/TKAEUT 2/10	PO*ES/TKAEUT 2/11 [37]	----------	----------
counteract	KOURPBT/ABGT 2/11	KO*UPBT/ABGT 2/11	KOUPBT/*ER/ABGT 3/13 [38]	KO*UPBT/ER/ABGT 3/13	----------
counterfeit	KOURPBT/TP-T 2/11	KO*UPBT/TPEUT 2/12	KOUPBT/*ER/TPEUT 3/14 [39]	KOUPBT/ER/TPEUT 3/13 [39]	----------
hyperactive	HAOEURP/ABGT/-FB 3/13	HAO*EUP/ABGT/EUF 3/15	HAOEUP/*ER/ABG/TEUFB 4/17	HAOEUP/ER/ABGT/EUF 4/15	----------
hypertension	HAOEURP/TEPBGZ 2/13	HAO*EUP/TEPBGS 2/13	HAOEUP/*ER/TEPBGS 3/15	----------	HAOEUP/TEPBGS 2/12
upperclass	URP/KHRASZ 2/9	----------	----------	----------	----------
uppermost	URP/PHO*ES 2/9	UP/ER/PHO*ES 3/10	UP/*ER/PHO*ES 3/11 [40]	----------	----------
undercurrent	TPH*D/KURPBT 2/11	UPBDZ/KURPBT 2/11	----------	----------	----------
understated	TPH*D/STAEUT/-D 3/12	UPBDZ/STAEUT/-D 3/12	UPBD/STAEUTD 2/11 [41]	TPH*R/STAEUT/-D 3/12	----------
overgrown	O*EFRB/TKPWROEPB 2/15	O*FR/TKPWROUPB 2/13	OEFR/TKPWROEPB 2/13 [42]	----------	----------

	Phoenix Theory	StenEd	CCST	RWG	RW/RT
overcharge	O*EFRB/KHARPBLG 2/14	O*FR/KHARPBLG 2/12	OEFR/KHARPBLG 2/12 [42]	O*EFR/KHARPBLG 2/13	OEFR/KHARG 2/9
updated	*UP/TKAET/-D 3/9	UP/TKAEUT/-D 3/9	AOUP/TKAEUTD 2/11	*UP/TKAEUT/-D 3/10	----------
uplifting	*UP/HREUFT/-G 3/10	UP/HREUFT/-G 3/9 (23)	AOUP/HREUFT/-G 3/11	----------	----------
transfigure	TRAPBZ/TPEUG/KWR-R 3/15	TRA*PBS/TPEUG/KWRUR 3/17	----------	----------	----------
transgressor	TRAPBZ/TKPWRES/-R 3/14	----------	----------	----------	----------
televise	T*EL/SR-Z 2/7	TEL/SRAOEUZ 2/10	(mandatory brief)	----------	TEL/SRAOEUZ 2/10
telephonic	T*EL/TPAUPB/-BG 3/12	TEL/TPOPB/EUBG 3/12	TEL/TPOPB/*EUBG 3/13 [43]	----------	----------
antechamber	AEPBT/KHAEUPL/PW-R 3/15	AEPBT/KHAEUPL/PWER 3/16	----------	----------	----------
antenatal	AEPBT/TPHAEUT/-L 3/13	----------	----------	----------	----------
antitrust	APB/TEU/TR*US 3/11	A*EPBT/TR*US 2/11	----------	----------	----------
antisocial	APB/TEU/SOELGS 3/12	A*EPBT/SOERBL 2/12	----------	APBT/AOEU/SOERBL 3/14	----------
righteous	RAOEUFPS 1/8	RAOEUFP/OUS 2/10	----------	RAOEUGT/KWROUS 2/13	----------
gorgeous	TKPWORPBLGS 1/11	TKPWORPBLG/OUS 2/13	----------	TKPWORPBLG/OUS 2/13	----------
grievous	TKPWRAOEFBS 1/11	TKPWRAO*EF/OUS 2/13	TKPWRAOE/SRUS 2/12	TKPWREF/OUS 2/10	----------
office	AUFS 1/4	AUFS 1/4	OF/EUS 2/5	OFS 1/3	(mandatory brief)
jealous	SKWRELS 1/7	SKWREL/OUS 2/9	SKWREL/HRUS 2/10	SKWREL/OUS 2/9	SKWREL/OUS 2/9
pompous	PAUFPLS 1/7	POFRP/OUS 2/8	POPL/PUS 2/7	POPL/-P/OUS 3/8	----------
pustulous	PUS/KH-LS 2/7	----------	----------	----------	----------
cadaverous	KU/TKAFRBS 2/9	----------	----------	KAD/AFR/OUS 3/9	----------
vociferous	SRO/SEUFRS 2/9	SRO/SEUFR/OUS 3/11	SROE/SEUFR/US 3/11	SROES/EUF/ER/OUS 4/13	----------
aspermous	AEU/SP-RPLS 2/9	----------	----------	----------	----------
chloroform	KHROR/TPOERPL 2/12 [24]	KHROR/TPORPL 2/11	KHROR/OE/TPORPL 3/13	KHROR/OE/TPORPL 3/13	----------
uniform	KWRAOUPB/TPOERPL 2/15	KWRAOUPB/TPORPL 2/14	(mandatory brief)	AOUPB/KWR*EU/TPORPL 3/17	----------
heliport	HEL/POERT 2/8	----------	HEL/PORT 2/7	----------	----------
passport	PAS/PORT 2/7	PASZ/PORT 2/8 [25]	PAS/PORT 2/7 [44]	PAS/PORT 2/7 [44]	----------
newspaper	TPHAOUZ/PAEURP 2/13	TPHAOUZ/PAEUP/ER 3/14	TPHUS/PAEUP/*ER 3/13	(mandatory brief)	TPHEFRPZ/AE/PAEUP/KWRER 4/20
sandpaper	SAPBD/PAEURP 2/11	SAPBD/PAEUP/ER 3/12	SAPBD/PAEUP/*ER 3/13	----------	----------
pathway	PAGT/WA*EU 2/9	PA*T/WA*EU 2/9	PA*T/WAEU 2/8 [45]	----------	----------
railway	RAEUL/WA*EU 2/10	RAEUL/WA*EU 2/10	RAEUL/WAEU 2/9 [45]	RA*EUL/WAEU 2/10	----------
protoplasm	PROET/PHRAFPL 2/12	PROET/PHRAFPL 2/12	----------	PRO*E/TOE/PHRAFPL 3/15	----------
ectoplasm	EBGT/PHRAFPL 2/11	----------	----------	----------	----------
citizenship	SEUT/SWR-PB/SH-P 3/12	SEUT/S*EPB/SHEUP 3/14 [26]	SEUT/STKPWHREPB/SH-P 3/17	SEUT/STKEPB/SHEUP 3/15 [26]	SEUT/SKPWEPB/SHEUP 3/16
fellowship	TPEL/OE/SH-P 3/9	TPEL/HROE/SHEUP 3/13 [27]	TPEL/HROE/SH-P 3/11 [27]	TPEL/OE/SHEUP 3/11 [27]	TPEL/KWROEFRP/SHAEP 3/17
fireman	TPAOEUR/PH-PB 2/11	TPAOEUR/PHA-PB 2/12	TPAOEUR/PHA*PB 2/13	----------	----------
henchman	HEFRPB/PH-PB 2/10	HEFRPBLG/PHAPB 2/13	----------	HEFRPBLG/PHAPB 2/13	----------
repairmen	RE/PAEUR/PH*PB 3/12	RE/PAEUR/PHEPB 3/12	RE/PAEUR/PH*EPB 3/13	----------	----------
spokesmen	SPOEBG/-Z/PH*PB 3/12	SPOEBGS/PHEPB 2/12	SPOEBGS/PH*EPB 2/13	SPOEBG/-Z/PHEPB 3/12	----------
horsewoman	HORS/W-PL 2/7	----------	----------	----------	----------
saleswoman	SAELZ/W-PL 2/8	SAELS/WOPL 2/9	SAELS/WO*PL 2/10	----------	----------
tradeswomen	TRAEUDZ/W*PL 2/11	----------	TRAEUDZ/W*EUPL 2/13	----------	----------
sportswomen	SPORTS/W*PL 2/10	----------	SPORTS/W*EUPL 2/12	----------	----------
biochemistry	PWEU/O/KEPL/STRAE 4/14	PWAO*EU/KEPL/STREU 3/16	PW*EU/OE/KEPL/STRAOE 4/17	PW*EU/OE/KEPL/EUFT/REU 5/18	----------
biophysicist	PWEU/O/TPEUZ/S*S 4/13	----------	----------	----------	----------
duodecimal	TKAOU/O/TKES/PH-L 4/13	TKWO/TKES/PHAL 3/12	----------	----------	----------
duotone	TKAOU/O/TOEPB 3/11	----------	----------	----------	----------
rheostat	RE/U/STAT 3/7	RAOE/STAT 2/8	----------	----------	----------
rheoscope	RE/U/SKOEP 3/8	----------	----------	----------	----------
isometric	AO*EUS/PHET/R-BG 3/13	AOEUS/PHET/REUBG 3/14	AOEUS/PHET/REUBG 3/14	----------	----------
isotone	AO*EUS/TOEPB 2/11	----------	----------	----------	----------

	Phoenix Theory	StenEd	CCST	RWG	RW/RT
holocaust	HAOL/KA*US 2/9	HOL/KA*US 2/8	----------	----------	----------
hologram	HAOL/TKPWR-PL 2/11	HOL/TKPWRAPL 2/11	----------	----------	----------
homophone	HAOPL/TPOEPB 2/11	HOE/PHO/TPOEPB 3/12	----------	----------	----------
homograph	HAOPL/TKPWR-F 2/11	HOE/PHO/TKPWRAF 3/13	----------	----------	----------
phonograph	TPAOPB/TKPWR-F 2/12	TPOEPB/TKPWRAF 2/13	----------	TPOEPB/OE/TKPWRAF 3/15	----------
phonotype	TPAOPB/TAOEUP 2/12	----------	----------	----------	----------
metabolic	PHET/U/PWAUL/-BG 4/12	PHET/PWOL/EUBG 3/12	PHET/PWOL/*EUBG 3/13	PHET/AU/PWOL/EUBG 4/14	----------
metaphor	PHET/U/TPOER 3/10	PHET/TPOR 2/8 [28]	----------	PHET/AF/KWRAOR 3/12	----------
milligram	PHEUL/TKPWR-PL 2/12	PHEUL/TKPWRAPL 2/13	PHEUL/HRAOE/TKPWRAPL 3/18	PHEUL/EU/TKPWRAPL 3/15	----------
milliwatt	PHEUL/U/WAUT 3/10	----------	----------	----------	----------
chemostat	KAOEPL/STAT 2/10	----------	----------	----------	----------
egotist	AOEG/T*S 2/7	E/TKPWO/T*EUS 3/11	----------	AOEG/OE/TEUFT 3/11	----------
hemostat	HAOEPL/STAT 2/10	----------	HAOEPL/STAT 2/10	----------	----------
hypodermic	HAOEUP/TK-RPL/-BG 3/13	HO*EUP/TKERPL/EUBG 3/16	HAOEUP/OE/TKER/PHEUBG 4/18	HAOEUP/OE/TKERPL/EUBG 4/18	HAOEUP/TKERPL/KWRAEUBG 3/20
Mesozoic	PHES/SWRO/-BG 3/10	----------	----------	----------	----------
photograph	TPOET/TKPWR-F 2/11	TPOET/TKPWRAF 2/12	(mandatory brief)	(mandatory brief)	(mandatory brief)
prototype	PROET/TAOEUP 2/11	PROET/TAOEUP 2/11	PROET/TAOEUP 2/11	PRO*E/TOE/TAOEUP 3/14	PROET/TAOEUP 2/11
rhinoplasty	RAOEUPB/PHRA*ES 2/14	RAOEUPB/PHRAS/TEU 3/15	RAOEU/TPHOE/PHRAS/TAOE 4/19	----------	----------
pseudonym	SAOUD/TPHEUPL 2/12	SAOUD/TPHEUPL 2/12	----------	SAOUD/OE/TPHEUPL 3/14	----------
psychedelic	SAOEUBG/TKEL/-BG 3/13	SAOEUBG/TKEL/EUBG 3/15	----------	SAO*EUBG/TKEL/EUBG 3/16	----------
thermostat	THURPL/STAT 2/10	THERPL/STAT 2/10	THERPL/OE/STAT 3/12	----------	----------
orthodox	ORGT/TKAUBGS 2/11	O*RT/TKOBGS 2/10	OR/THOE/TKOBGS 3/12	ORPBLG/OE/TKOFPL 3/14	----------
chiropractor	KAOEUR/PRABGT/-R 3/13	KAOEUR/PRABG/TOR 3/14	KAOEU/ROE/PRABG/TO*R 4/17	----------	KAOEUR/PRABGT/KWROR 3/17
microphone	PHAOEURBG/TPOEPB 2/15	PHAOEU/KRO/TPOEPB 3/15	PHAOEUBG/ROE/TPOEPB 3/17	PHAOEUBG/ROE/TPOEPB 3/17	PHAOEUBG/TPOEPB 2/14
hydrofoil	HOEURD/TPOEUL 2/12	----------	----------	----------	----------
equilateral	E/KWU/HRAT/R-L 4/10	E/KWEU/HRAT/RAL 4/12	----------	AO*E/KWEUL/AT/ER/AL 5/15	----------
auctioneer	AUBGZ/AO*ER 2/10	A*UBGS/AOER 2/10	A*UBGS/AOER 2/10	AUBGS/AOER 2/9	----------
electioneer	E/HREBGZ/AO*ER 3/12	HR*EBGS/AOER 2/11	----------	AO*E/HREBGS/AOER 3/14	----------
billionaire	PWEUL/KWR-PB/A*EUR 3/15	PWEUL/KWROPB/TPHAEUR 3/18	(mandatory brief)	(mandatory brief)	----------
doctrinaire	TKAUBG/TR-PB/A*EUR 3/15	----------	----------	----------	----------
blockade	PWHRAUBG/A*ED 2/12	PWHROBG/A*ED 2/11	PWHROBG/KAEUD 2/12	PWHROBG/AEUD 2/11 [48]	----------
stockade	STAUBG/A*ED 2/10	STOBG/A*ED 2/9	STOBG/KAEUD 2/10	----------	----------
schmuck	SH-/PH-BG 2/6	----------	----------	----------	----------
schnapps	SH-/TPHAUPZ 2/9	----------	SHA/TPHAPS 2/9	----------	----------
Guam	TKPWU/WAUPL 2/10	TKPWAUPL 1/8	TKPWA/WAPL 2/9	----------	(mandatory brief)
guano	TKPWU/WAUPB/OE 3/12	TKPWAU/TPHOE 2/11	----------	----------	----------

	Phoenix Theory	StenEd	CCST	RWG	RW/RT
Words	745	683	502	531	216
(mand. briefs)	0	1	28	22	59
Strokes	1581	1606	1073	1423	425
Keys	6962	6958	5048	5920	2206
Asterisks	56	123	118	116	0

RECAP

	StenEd	//	Phoenix		CCST	//	Phoenix		RWG	//	Phoenix		RW/RT	//	/Phoenix	
Words available for comparison	683	//	683		502	//	502		531	//	531		216	//	216	
# of strokes	1606	//	1440 (11.5% differential)		1073	//	980 (9.5% differential)		1423	//	1107 (28.5% differential)		425	//	421 (.095% differential)	
# of keys	6958	//	6311 (10.25% differential)		5048	//	4496 (12.3% differential)		5920	//	4870 (21.55% differential)		2206	//	1899 (16.19% differential)	
# of asterisks	123	//	51		118	//	36		116	//	22		0	//	13	
Average strokes per word	2.35	//	2.11		2.14	//	1.95		2.68	//	2.08		1.97	//	1.95	
Average keys per word	10.19	//	9.24		10.06	//	8.96		11.15	//	9.17		10.21	//	8.79	
Average keys per stroke	4.33	//	4.38		4.70	//	4.59		4.16	//	4.40		5.19	//	4.51	

NOTE: As pointed out earlier, StenEd and RWG adhere to the NCRA guideline of adding /-D, /-G, and /-S/Z in separate strokes. Their use of these one-key endings _increases_ their total number of strokes, and _decreases_ their average-keys-per-stroke ratio.

[1] perfume/per fume
[2] permissive/per missive
[3] an "–PBG = -nge" principle can't be consistently applied; e.g., singe/sing, binge/bing, etc.
[4] "lim" and "num" are needed word parts for piecing names/words together using the phonetic table.
[5] bargained/bar gained
[6] coconuts/coke nuts
[7] principals/prince pals
[8]) prodigals/prod gals

[9] Jacksons/jack sons

[10] mainlands/main lands

[11] hygiene/high gene

[12] saline/say lean

[13] generation/general ration

[14] Phoenix Theory uses (C)-Z for the (c)ize endings, avoiding conflicts between (c)ize endings/words. (e.g., polarize/pole rise, classicize/class size, timewise/time wise) summarize/sum rise

[15] Phoenix Theory: all ending "eeh" sounds are stroked AE. The AE is also "blended" with ending strokes from which the vowels have been omitted. E.g., /-L/AE = AEL; /-S/AE = AES; /-PBD/AE = AEPBD, etc. This eliminates conflicts such as finely/finally, hardly/hardily, curtsy/courtesy. It also reduces stroking on "(c)eeh" sound endings, the highest-frequency ending sound in English.

[16] trustworthy/trust worthy

[17] crisis/cry sis

[18] Phoenix Theory: The ending sound "side" (-side, -icide) is stroked /S-D, avoiding conflicts such as suicide/sue side, herbicide/herb side, hillside/hill side, etc.

[19] hexagon/hex gone

[20]) handguns/hand guns

[21]) barometric/bar metric

[22] caravan/car van (car vanished, car vandalized, etc.)

[23] uplifting/up lifting

[24] Phoenix Theory: -iform = TPOERPL, to avoid conflicts; e.g., dentiform/dent form, piliform/pill form, etc.

[25] passport/pass port

[26] citizenship/citizen ship

[27] fellowship/fellow ship

[28] metaphor/met for- (e.g., met formally, met formidable, etc.)

[29] more/mor- (e.g., morbid/more bid, Morgan/more began, mortal/more tal(ented), etc.)

[30] gallops/gal lops

[31] mansion/man shun

[32] genuine/general win

[33] utility/you tilt

[34] regulate/regular late

[35] normalcy/normal see

[36] centimeters/sent meters

[37] post/post> (e.g., postdated/post dated, postmarked/post marked)

[38] counteract/counter act

[39] counterfeit/counter fit

[40] uppermost/upper most

[41] understated/under stated

[42] over/over> (e.g., overgrown/over grown, overcharges/over charges, overcoats, over coats, etc.)

[43] tell/tel> (e.g., telephones/tell phones, telescopes/tell scopes, television/tell vision, etc.)

[44] pass/pas>; port/<port (passport/pass port)

[45] way/<way (e.g., pathway/path way, walkway/walk way, driveway/drive way)

[46] –FRPBG = -nge and –nk; creates stenonyms requiring distinctions (e.g., singe/sink, lunge/lunk, plunge/plunk, etc.

[47] bassinet/bass net

[48] blockade/block aid

[49] cancel/can sell

[50] sinus/sign us

[51] resignation/resonation

[52] harmony/harm

[53] operator/prate