RIDE MORPHEME CARDS

Based on Appendix A of *Morpheme Frequency in Academic Words* by Lane, H. B., Gutlohn, L. & van Dijk, W. (2019)

RHODE ISLAND DEPARTMENT OF EDUCATION

Prefixes

Latin

Bases

Suffixes

Greek Bases and Forms

Support student spelling and vocabulary acquisition



Each card contains either a prefix, a Latin base, a Greek base or combining form, or a suffix. Morphemes that have more than one form will have the other common form(s) listed underneath. On the flip side of the card, the meaning of the morpheme is listed on top with example words listed below. These cards can be used to understand how words are made of morphemes, or the smallest unit of meaning within a word.

The light blue cards are prefixes, the medium-light blue are Latin bases, the royal blue are Greek bases or combining forms, and the dark blue are derivational suffixes. Please note that inflectional suffixes (e.g., -s, -es, -ed, -ing, -er, -est) are not included. This is not a complete collection, but instead a collection of the most common morphemes, and are shown as presented in "Morpheme Frequency in Academic Words" by Dr. Holly Lane et al (2019).

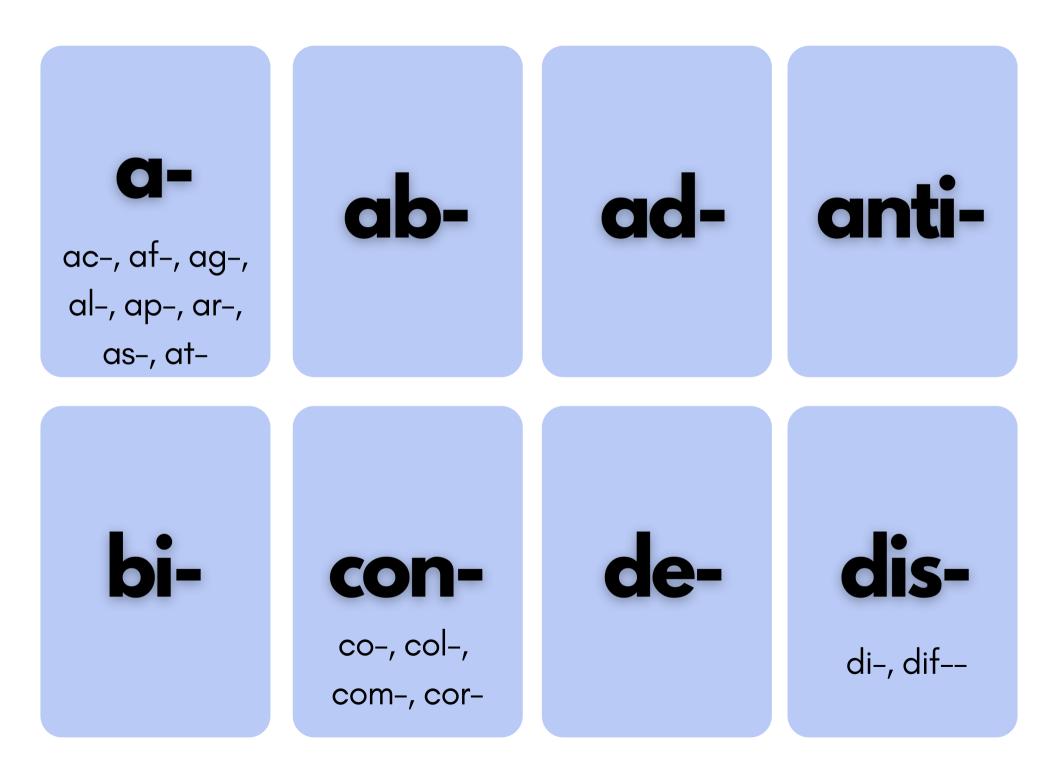
Students should first be introduced to inflectional suffixes and prefixes before learning Latin bases followed by Greek bases and combining forms to work in a systematic, simple-to-complex sequence. Please also consider which morphemes are used most frequently in your setting when determining a scope and sequence of morphology instruction.

Instructions: Set your printer settings to 2-sided to print double-sided flash cards for student use. These cards can be used across grade levels and content areas to support word recognition and language comprehension.

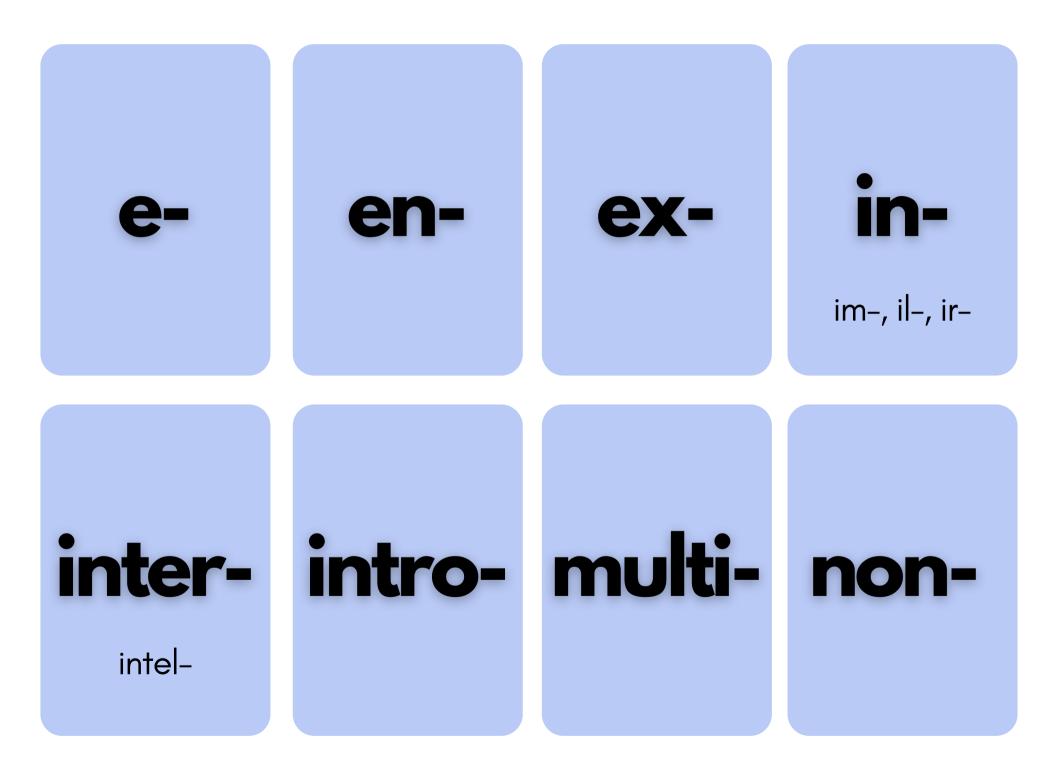
FOR MORE INFORMATION ON INSTRUCTIONAL PRACTICES ALIGNED WITH THE SCIENCE OF READING, VISIT: HTTPS://WWW.RIDE.RI.GOV/INSTRUCTIONASSESSMENT/LITERACY/STRUCTUREDLITERACY.ASPX

THE MORPHEMES, DEFINITIONS, AND RELATED WORDS ARE BASED ON THE UNIVERSITY OF FLORIDA LITERACY INSTITUTE'S MORPHEME FREQUENCY APPENDIX:

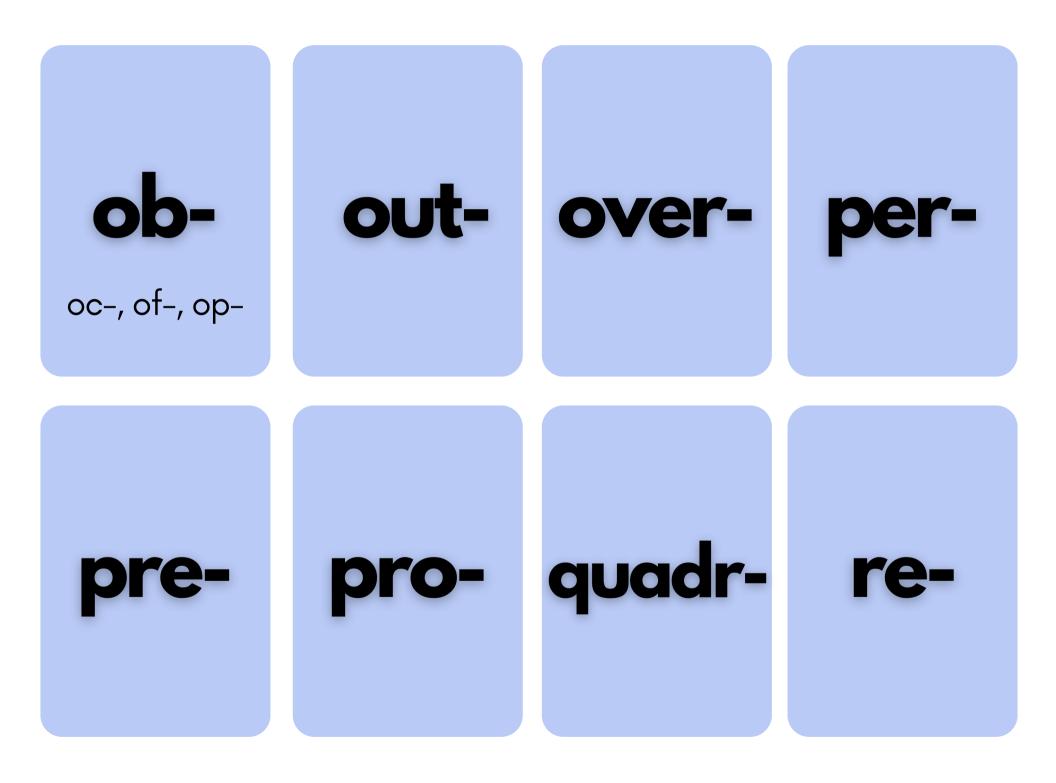
SOURCE: LANE, H. B., GUTLOHN, L. & VAN DIJK, W. (2019). MORPHEME FREQUENCY IN ACADEMIC WORDS: IDENTIFYING HIGH-UTILITY MORPHEMES FOR INSTRUCTION. LITERACY RESEARCH & INSTRUCTION, 58(3), 184-209.MILLERS



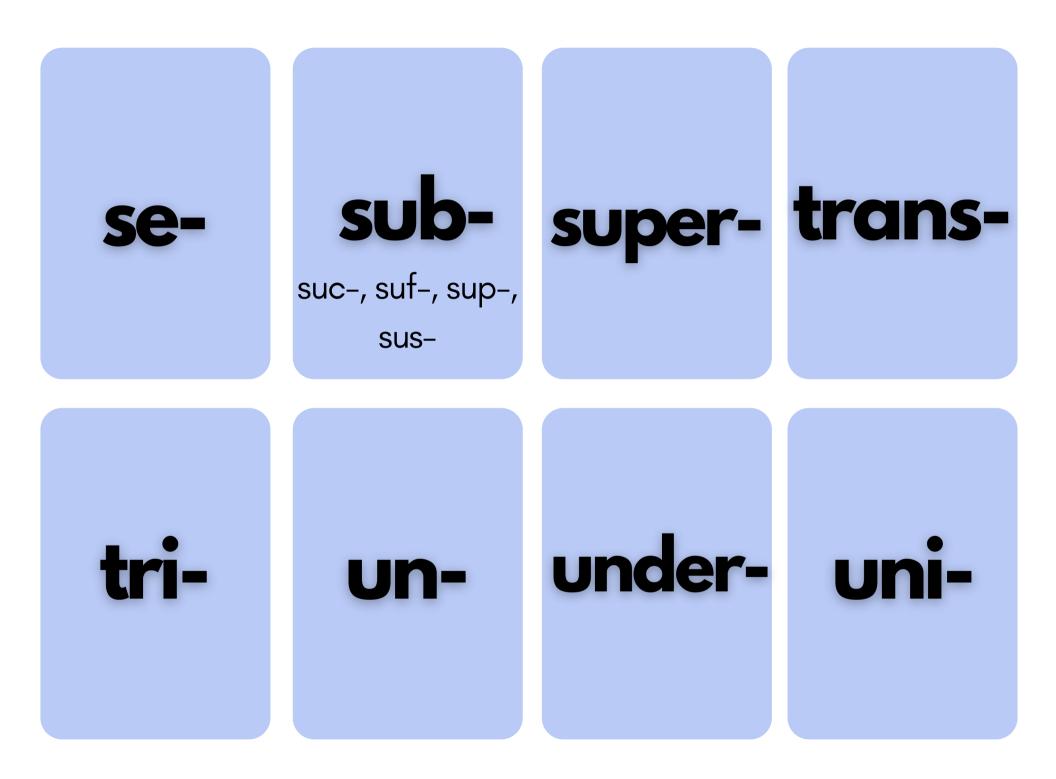
noillid ,tɔəɛid	condensation, cohesive, collect, complicate, correspond	decompose, depression	diminish, divide, diminish, divide, difference
owt	tnioį ,dtiw	αωορ 'ποη γρωρ	apseuce of not, apart,
abiotic, atheist, among, ahead, about	apnze' apuormal	advantage, accelerate, achieve, aggression, alliance, applied, arrangement	antithesis, antagonist
,ton ;ot ;ni\no tuodtiw	αναλ, from	toward, in, near	against, opposite



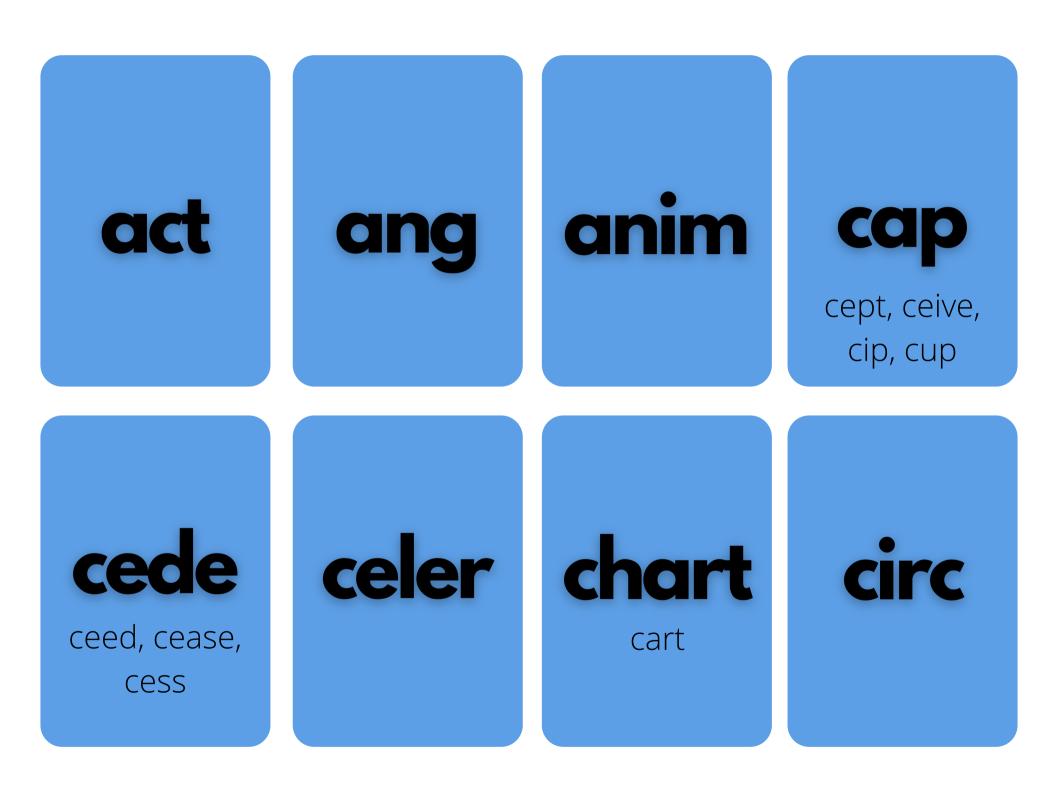
between ,tqəorətni əonəgillətni	in, inward noitoubortni	houm, γnom , γlqitlum Ionoisnemibitlum	ton tiforqnon
lacking, out eliminate	to make something enclose enclose	out expression, expose	 (1) in, on, toward (2) not (1) information, investigate, illustrate, investigate, illustrate, investigate, illustrate, investigate, illustrate, investigate, illustrate,



before, earlier predictable, prejudice	forward, prior to	four noillinbup	again, back react, replicate, respond
down, facing, against, to observation, occupational, official, oppose	outlaw, outcome	to houm oot ob something overestimate	through, permanent, permutation



əlgnaint	unobtainable	undergo, underestimate	mrofinu
,əlqint əəndt	not, opposite, reverse	nnder	əuo
select select	suburb, successive, sufficiency sustenance	,noitit≥nəqus superlative	transport, transfer
abart, without	zecouqαιλ nuqeι' pejom'	extreme, over, above,	peyond, across



antecedent, exceed, ceaseless, successive	decelerate	flowchart, cartoon,	circuit
yield, go,	ttiws ,bəəqz	qraw	round, circle
active, interact	triangular	animate	capture, accept, perception, anticipate, occupant
do, act	angle	luos ,βnivil	take, seize, hold, receive, contain

clar

claus

clos, clud, clus

commun

common

cur

course

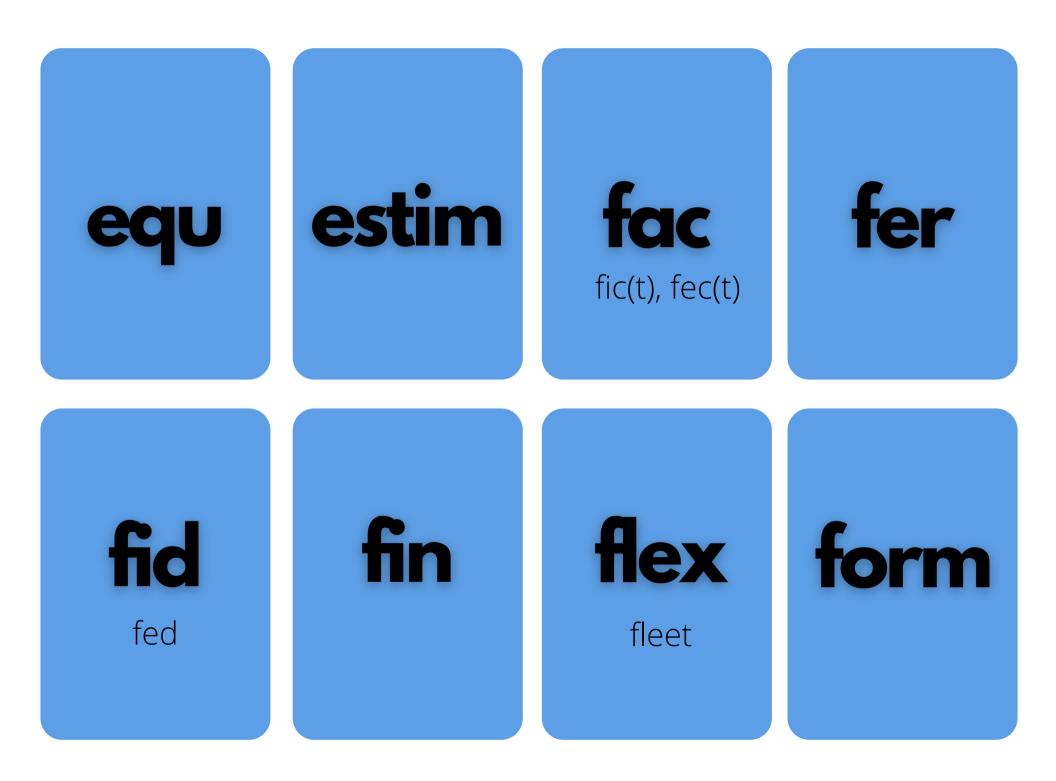
dic dex, dict

duce, duct

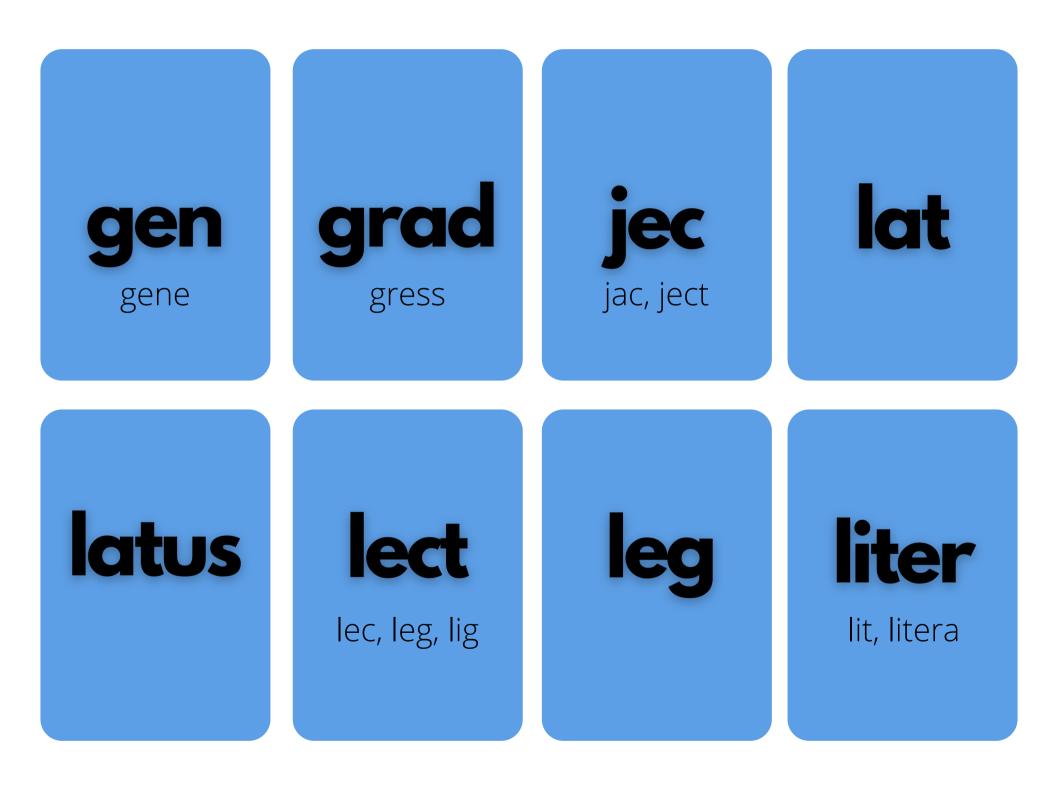
electr

cult

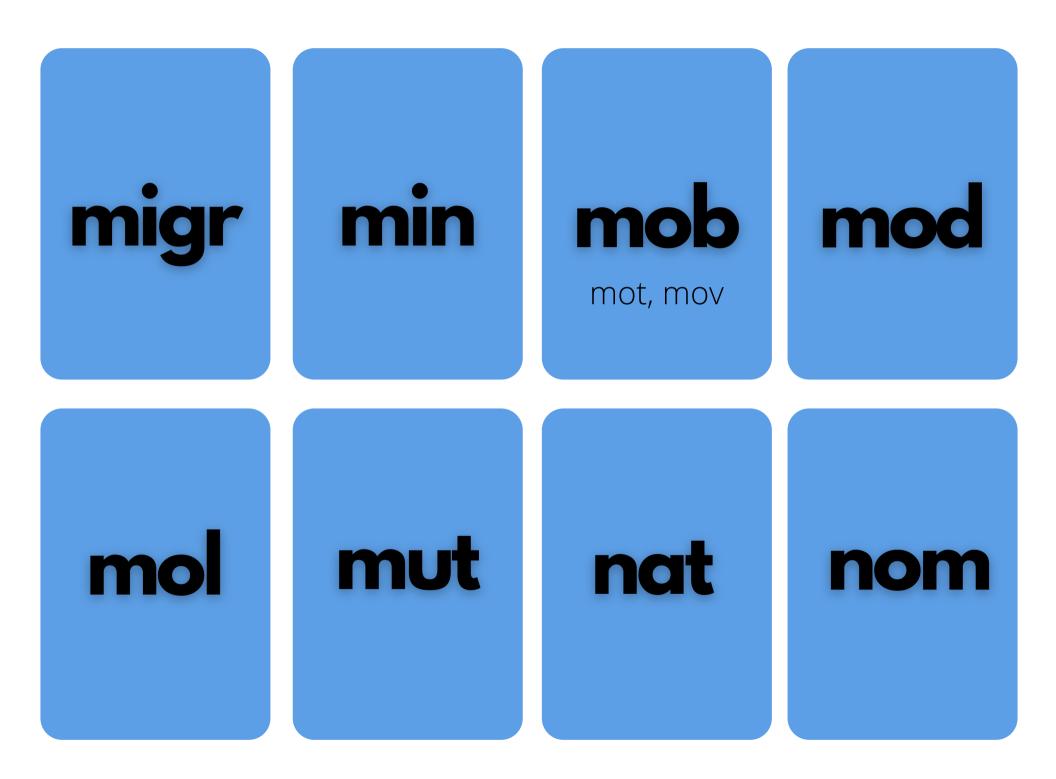
current, occurrence, discourse	predicate, index, predict, dictate, indict, dictionary	reproducible, introduce, duct, conduction	electromagnet, electron
oɓ 'unı	llət ,Ypz	lead	electric
clarative declarative	closet, seclude, clause, foreclosure, pribuloxe, excluding	communicate communicate	cultivate, culture
clear	əsolə ,tudz	together together	care, cult



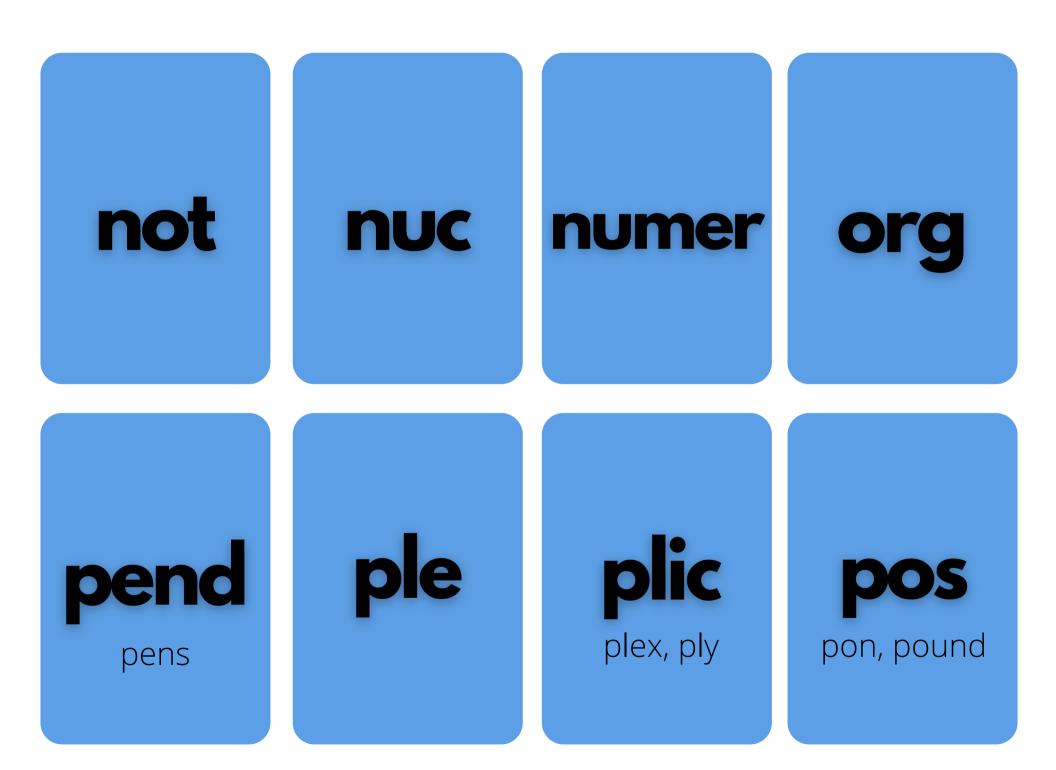
confidence, federal	noitinitəb ,əlbnit	flexible, reflect	formulate, transform
trust	puə	əʌınɔ 'puəq	ədpqs
,ətoupəboni γtiupə	estimate	factory, perfect, simplification, beneficiary	aquifer, reference, differentiate, ferry
ednaj	ssənb	make, do	οαιιλ, γield



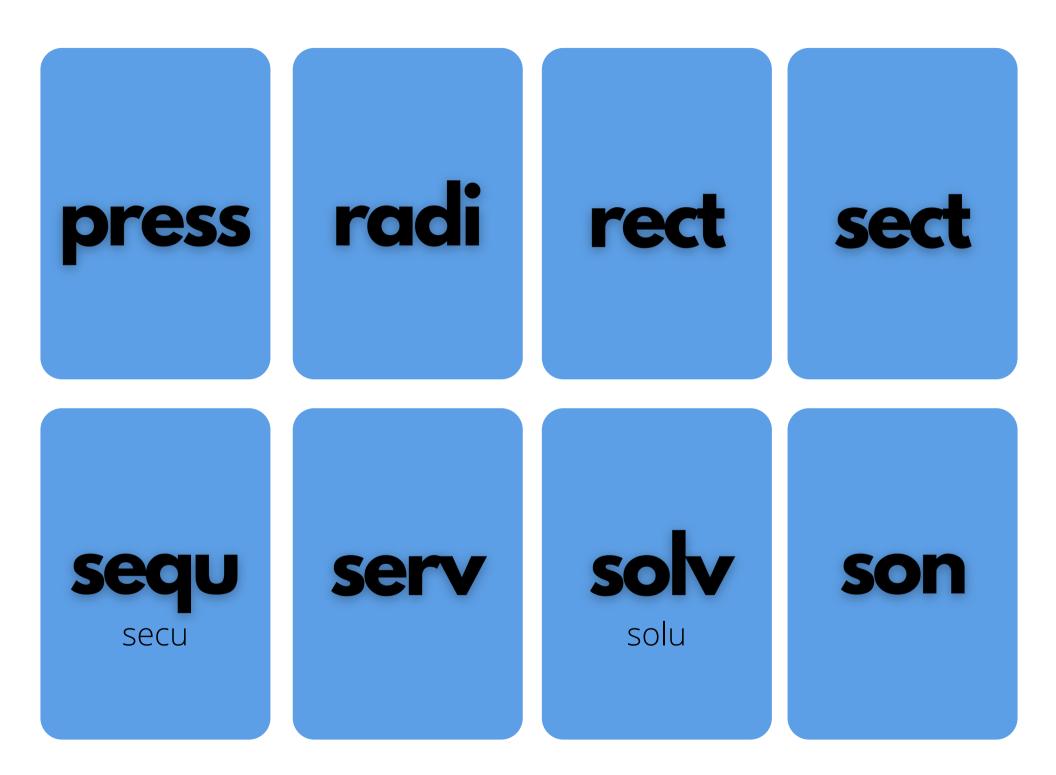
ebis multilateral	choose, pick, read election, selective, college, legend, intelligence	لمw Privilege, Antolzigal	letter liliteracy, literal
genocide, generate, suogeneous	gradient, digressive	adjacent, object	relate, translate
race, kind, birth	step, degree, do	throw, lie	ςαιιλ' ρεαι



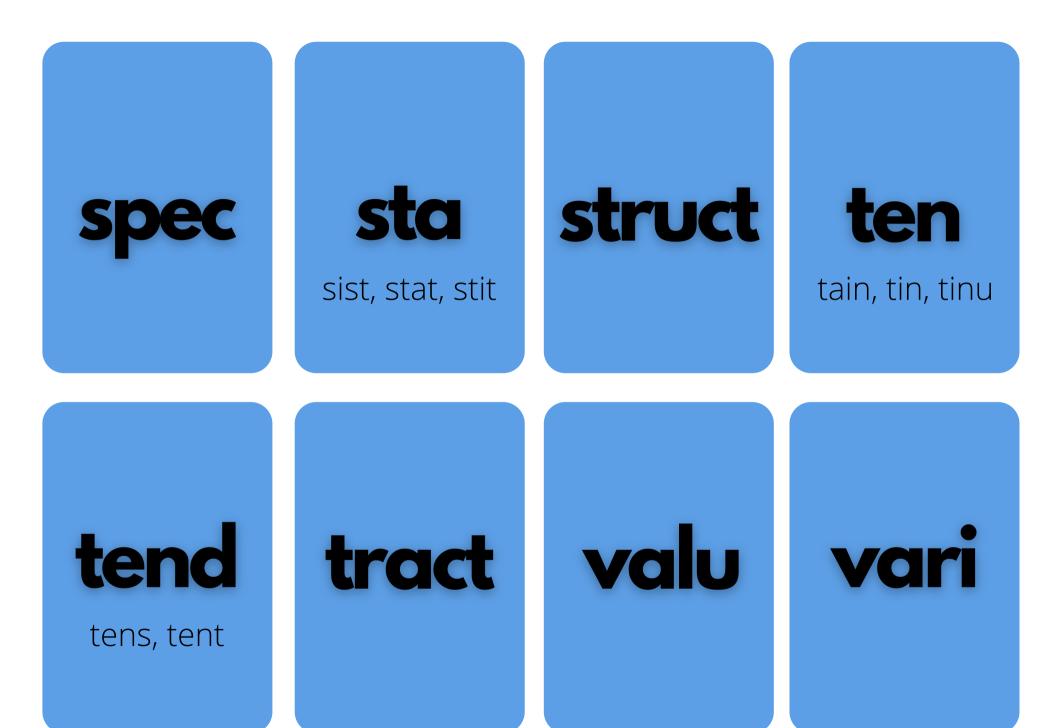
aliq ,szom aluoas, pile	reciprocal, mutual	people, produce Inative, national	polynomial
emigrant, migratory	lɒminim ,γtinonimα	automobile, unmotivated, promote, remove	unmodate, accommodate
cµau∂e' qebaц до амаλ'	small	θλομ	manner bound, method,



uoisuədsns 'wn npuəd 'xipuəddɒ	ətəlqəb ,tnəməlqquz,	duplicate, vytixslqmoo vlqitlum	proposition, compound bruoqmop
hang, weigh	lliîluî ,liî	bloł	bose bnţ' blace, set,
notation, notary	snəjənu 'unəjənu	numeric, enumerator, enumerated	organism organise,
write, mark	onu	nmber	tnəmurtzni ,loot



consequence, consecutive consecutive	reservoir, observation, service	,9vlozsib resolution	sonar, consonant
wollof	serve, keep	solve looseu, slacken,	punos
oppression, expression,	radius, radioactive	direct, director, rectangle	,toestion, dissect, toesni
ənsınd 'ssəıd	ιαλ' sboke	right, straight	tup



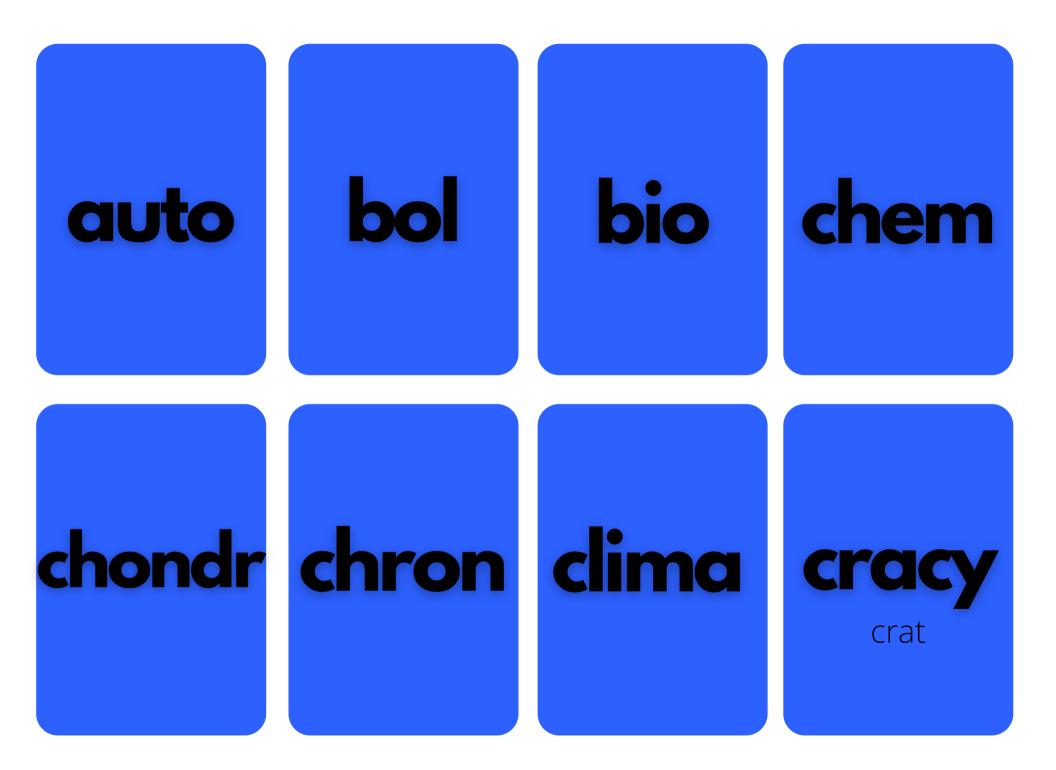
,γtiznətni ,nobnət tnətni	tractor, contract, traction	valence, evaluate	variable, variant
stretch, strain	qıam; pull	give value	лацу
səiəəqs ,yfiəəqs	establish, overstatement, consistent, assistant, constitutional	construct, restructure, instruction, instrument	tenant, maintain, continental, noitonniton
bnix ,thgis ,wəiv	stand, set	bliud	рюч



intervene, revenue, eventual	broverb, verbal	vertical, diversity, advertise	evisen, revise
emoo	word	turn	see, separate



chief, ruler anarchy, architect	ancient, primitive archaeologist, archetype, archive	number, count algorithm, oithmetic	star astronomy, bioreteroid
protagonist	allel, parallel	αυαγλτε' αυαδιαω	apostrophe ang
tsətnoo	one another	backwards up, again, on,	derived from, away



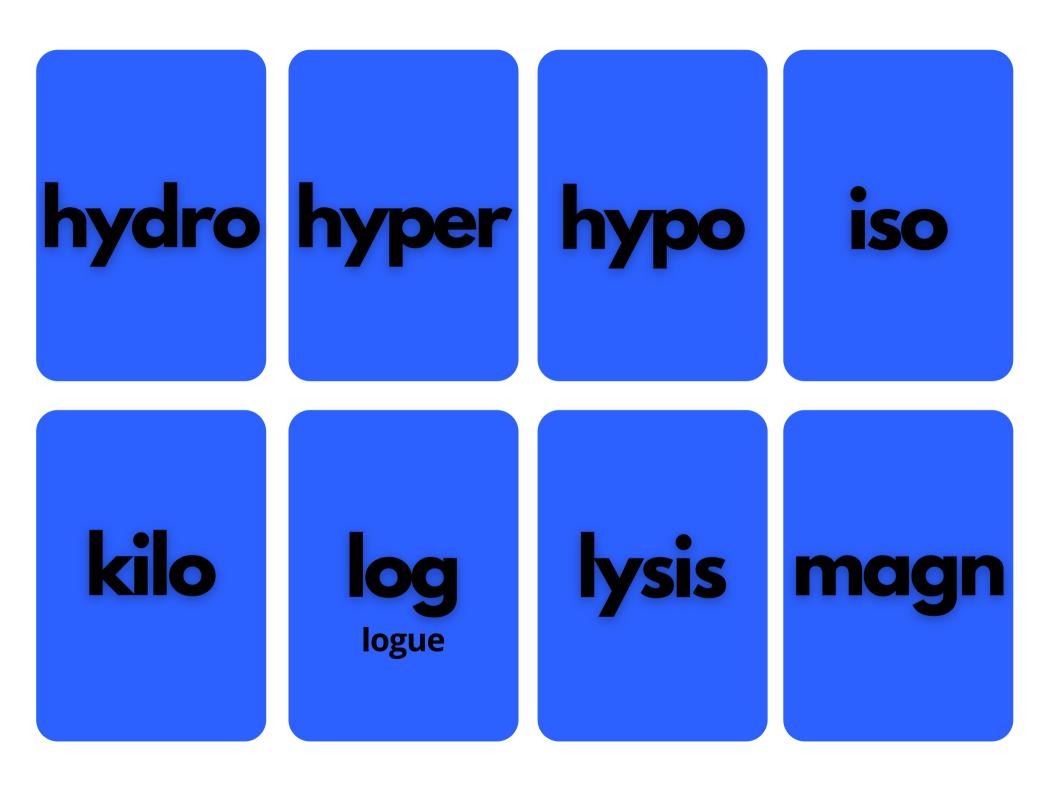
noinbnorbotim	chronology chronology chronology	climate, climagraph, microclimate	autocrat theocracy,
uipig ,qmul	əmit	weather	əlur
automate automate	barapola, symbol	sisoidmγs ,γgoloid	сћету, сћету
fləs	throw	əłil	art of alloying metals



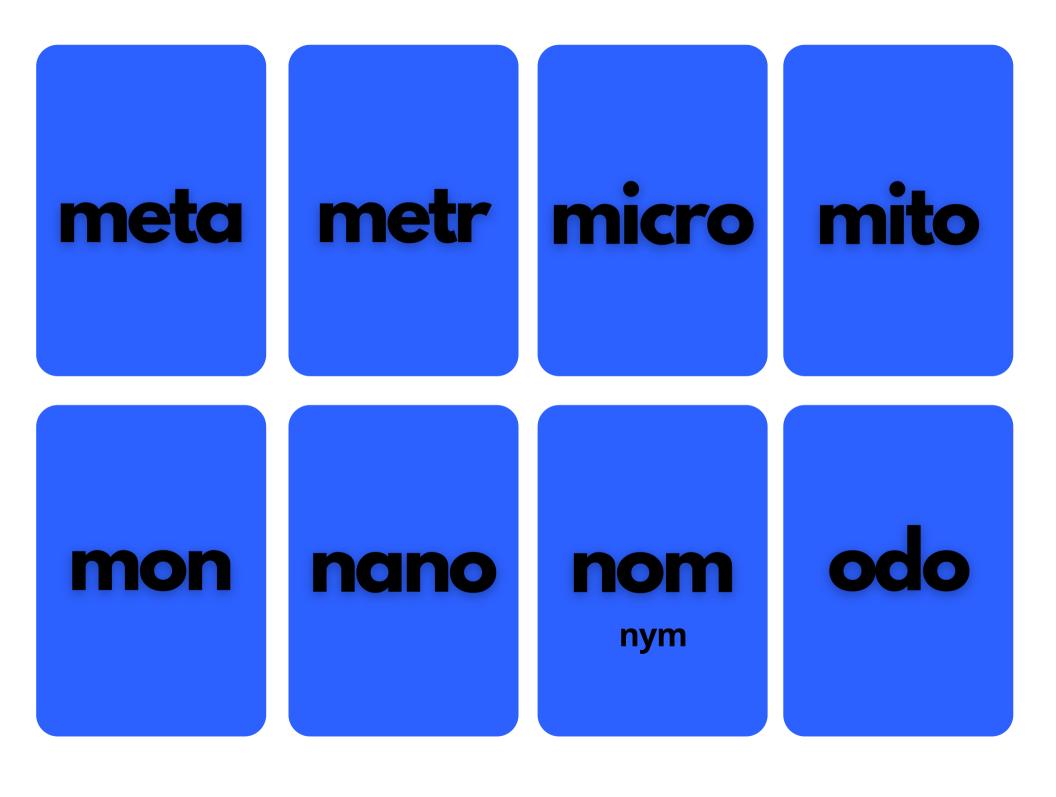
demogracy, beople	through, across, diagonal, dialect toelect	drama dramatic, dramatist	,əmoh,əsuoh environment үдоооэ, есогоду
critical, criterion	crystallization ecrystallization	cycle, encyclopedia, cyclic	decade, decimal
əɓpnĺ	hard, crust, "clear ice"	circle, wheel	nət



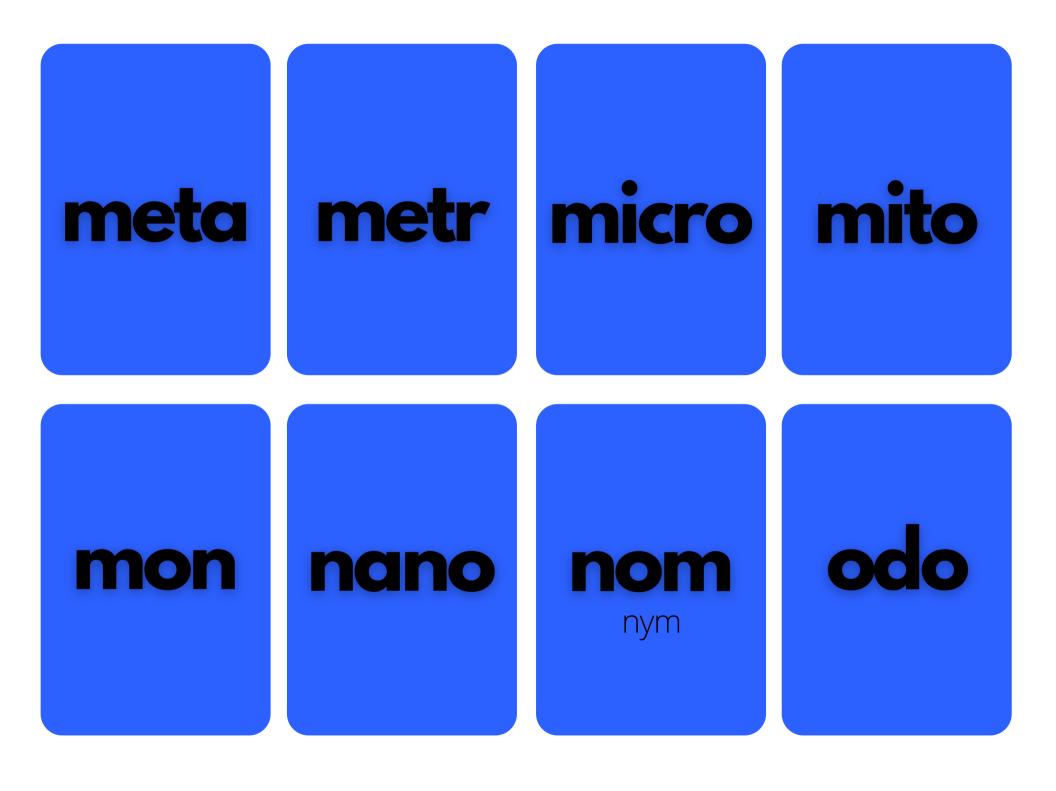
write, draw photograph, anagram	hundred	seat, side polyhedral, nonbecahedron	kis nogoxəfi
epilogue, epilogue	geochemical, geography унарояр	gigameter gigameter	trigonometry paragon,
above, in addition to	earth	noillid	augle



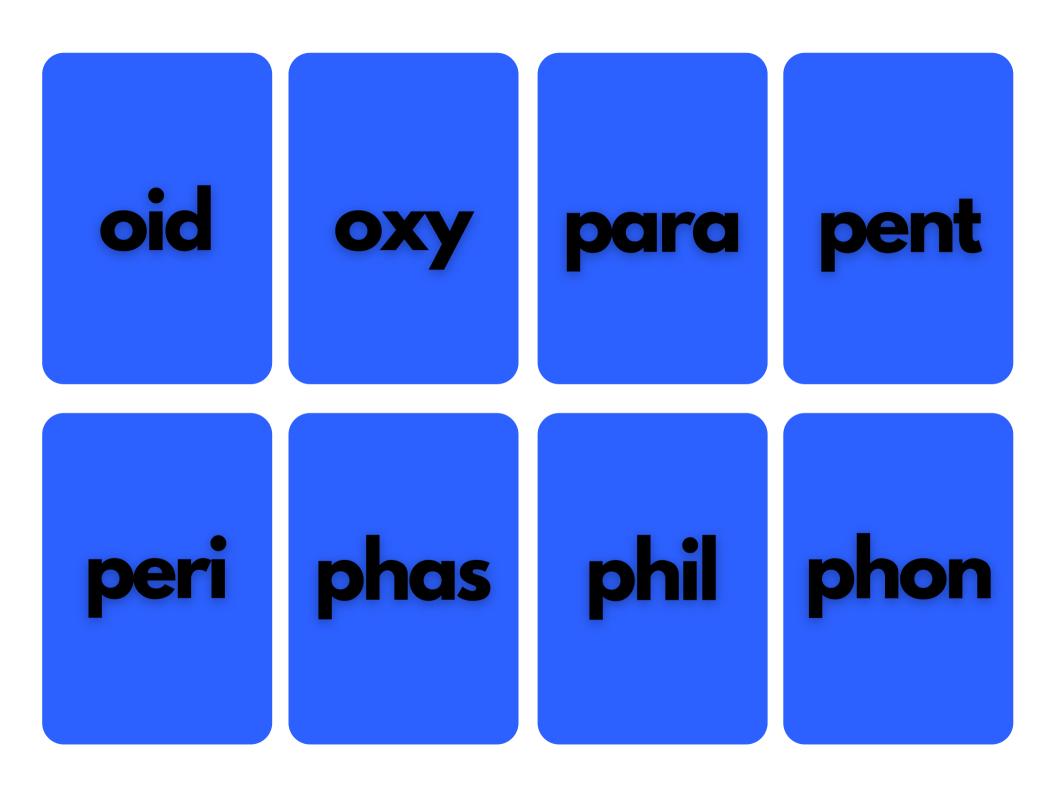
kiloliter, kilogram	monologue, illogical, dialogue,	analysis, catalyst	electromagnetic
pupsnoyt	reason speech, word,	decomposition breakdown,	magnet
carbohydrate hydrogen,	hyperactive hyperactive	,sizəhtoqyh Dinotoqyh	isostherm, isosceles
Water	OVEr	ıəpun	ιpnbə



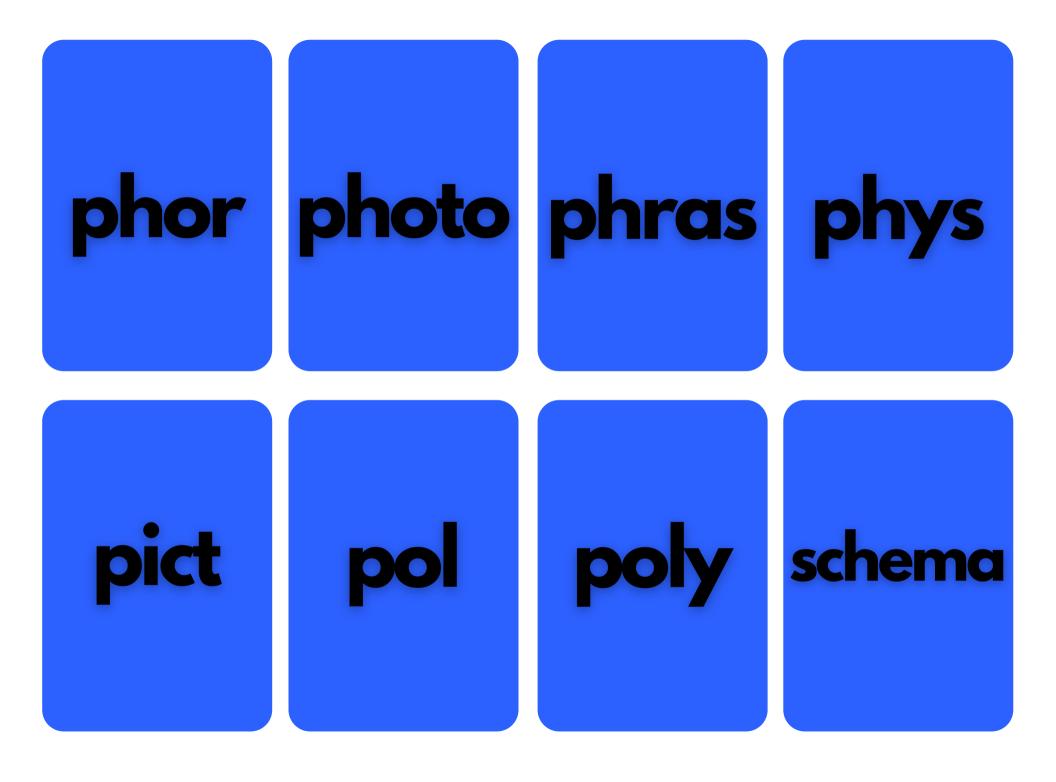
,əziloqonom birdyhonom	acronym astronomer,	puosesoupu	exodus, periodical
əuo	name, word	qmart, 'very small'	path, road
metamorphor, metamorphosis	microclimate, microwave	metric, parameter millimeter	noinbnohootim, sisotim
beside, after, later	ətunim ,llbmz	measure	thread



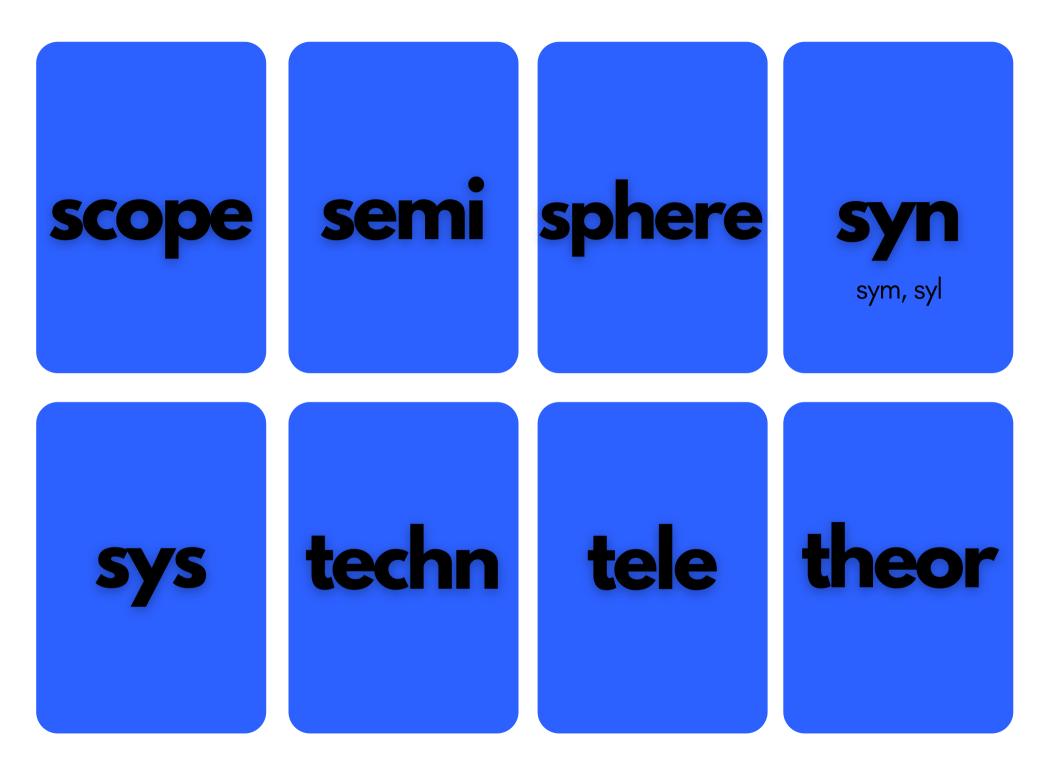
,9ziloqonom birdγhonom	puosecouq	acronym astronomer,	exodus, periodical
əuo	dwarf, 'very small'	name, word	path, road
metamorphor, metamorphosis	metric, parameter, millimeter	microwave, microwave	noinbnohootim, sisotim
beside, after, later	measure	ətunim ,llbmz	thread



periodical periodical	prophase, emphasis,	,tsiqonthropind γhqosolind	λβοιουο vəuology megaphone,
around, near	abbearauce syom,	love, respect	eoiov ,bnuos
asteroid, trapezoid	oxidize, oxymoron	parasite, paradigm	bentagon
like, 'having the form of'	oxygen oxygen	noitizoq ,əbizəd	⊖√iŤ







ybod əlohw	skill, craft, art technique, Ygolondəət	distant 9qoosələt	contemplation theorem
ədoosopuə	semicircle, hemisphere	atmosphere	symmetry syllabic, ymonym,
watch, see	half	circle	together

therm thesis tropo typ

wark, type

туреѓасе stereotype,

tropical

turn, change

troposphere,

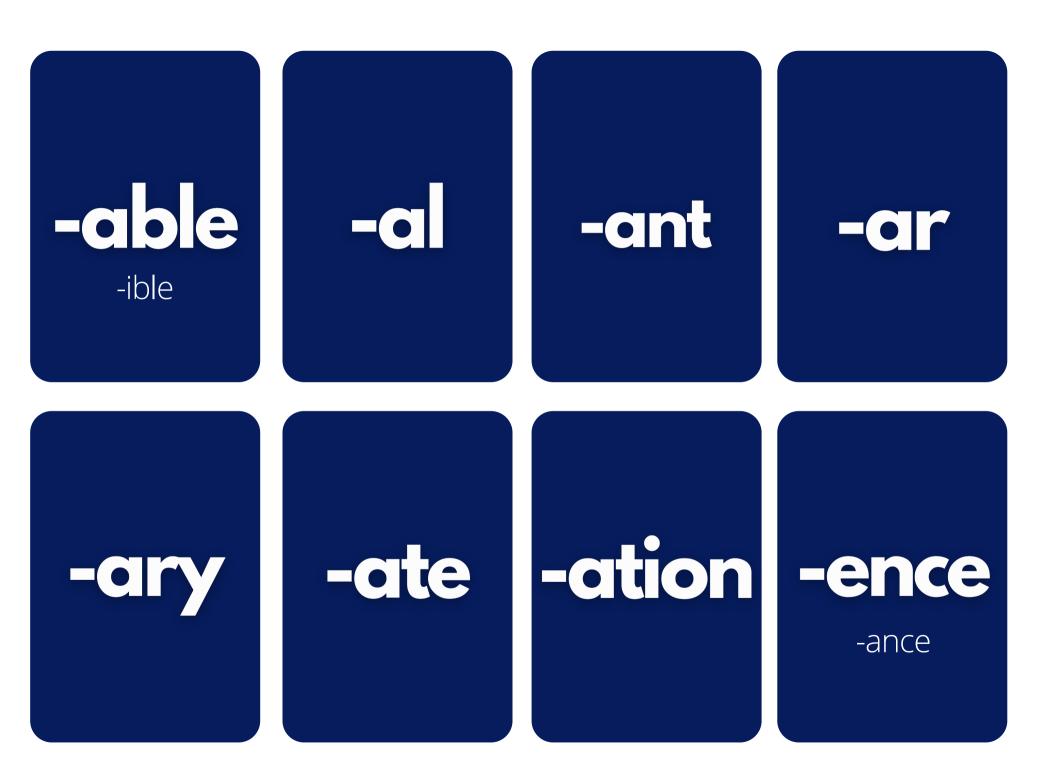
hypothetical 'sisəqtodya

statement

proposition,

thermal thermodynamics,

heat



able, can do (adjective)

permeable, permeable,

> relating to, characterized by (adjective, noun)

legal, individual

accurate

accelerate,

(verb, adjective)

canze' wake

action, state of

stimulant, tnonimob

> of or pertaining to (adjective)

stellar, similar,

relating to, place where (noun, adj)

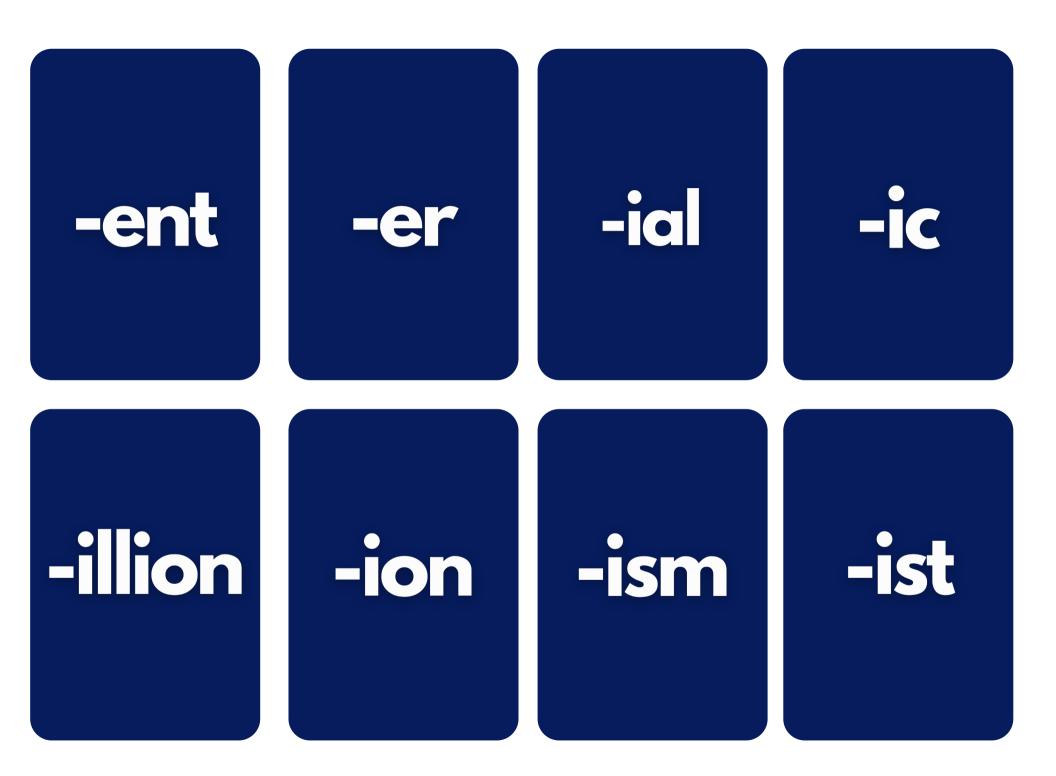
voluntary, preliminary,

act of, state of

confirmation, determination

> action, state, action, state,

sequence, audience, somettance



referent (noun, adjective)

nutrient, coincident, independent

> tont ,onw əno (nuon) həinw

cartographer computer,

> relating to, characterized by (adjective)

imperial, special, special,

sequential

of or pertaining to (adjective)

exothermic,

to the power of a million (numeral)

quadrillion

act of, state of

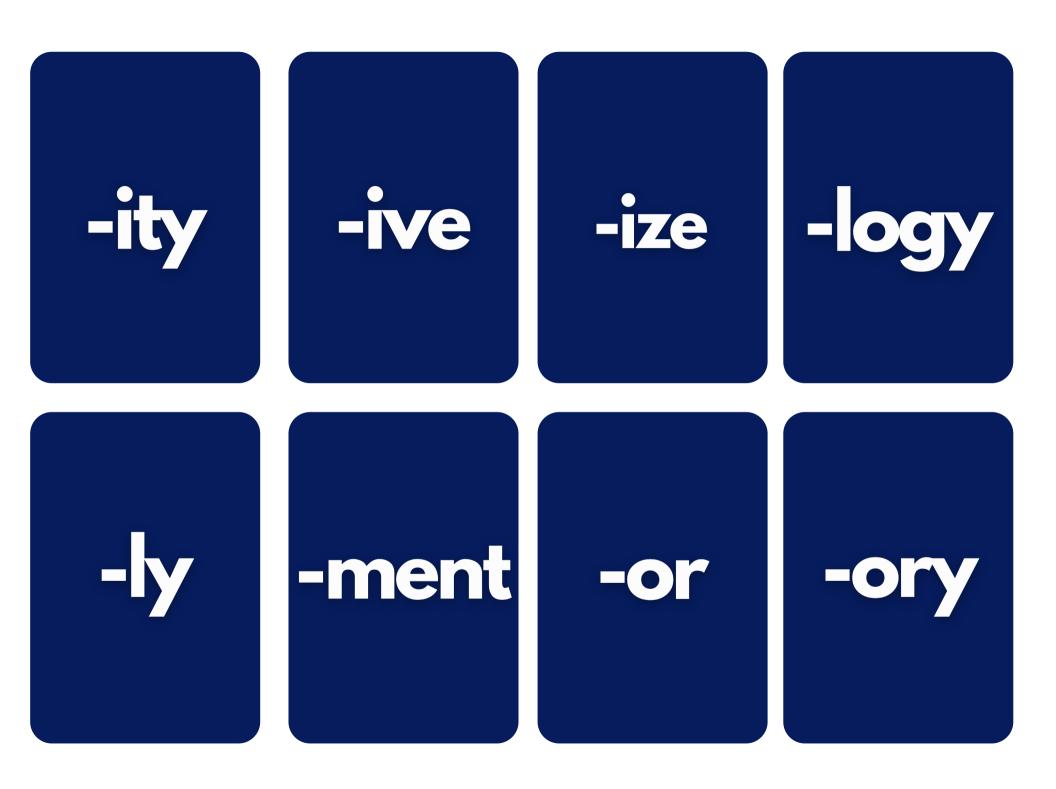
opinion, transfusion, distribution

> characteristic, manner, condition (noun)

altruism, nativism

tourist, chemist

(unou) oym əuo



science or study of (noun) X (verb) (adjective) state of, quality of hydrologic, psychology fertilize, civilize consecutive, velocity, majority

(aqverb) manner or like

ylətinitəb ,yləloz

(noun) result of, act of

document, entitlement, harassment

> one who, that (nuon) doidw

dictatorship, creditor, monitor

> pertaining to, characterized by (adjective)

memory, transitory





full of, having (adjective)

nnambiguous, coniferous,

ten (numeral)

nəəttit

forms of ordinal numbers (adjective)

dtnəəttit

state of, process, office, function (noun)

manufacture, pressure,

inclined to (adjective)

wilky, injury, hierarchy