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:

<table>
<thead>
<tr>
<th>a-</th>
<th>ab-</th>
<th>ad-</th>
<th>anti-</th>
</tr>
</thead>
<tbody>
<tr>
<td>ac-, af-, ag-</td>
<td>ad-</td>
<td>ad-</td>
<td>anti-</td>
</tr>
<tr>
<td>al-, ap-, ar-</td>
<td>ad-</td>
<td>ad-</td>
<td>anti-</td>
</tr>
<tr>
<td>as-, at-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>bi-</td>
<td>con-</td>
<td>de-</td>
<td>dis-</td>
</tr>
<tr>
<td>co-, col-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>com-, cor-</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>di-</td>
<td></td>
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<td></td>
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<tr>
<td>dif--</td>
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</tbody>
</table>
intellige
nt
between
elimi
minate
out
something
make

to

where

in, on, toward

information,

investigate, illustrate,

impressionism,

irrigation, (2)

independent, illegal,

immunity,

nonprofit

not

not

between

in, inward

many, much

in, inward

much,

enforce, enable,

enclose

expression, expose

expression, expose

out

out

(1) information,

(2) information,

(1) in, on, toward (2)
clar
clos, clud, clus

course
class

dex, dict
class

duc, duct
duct

electr
class

claus
commun

cult

common

class

duct

electronic
lead, reproducible, introduce, duct, conduction

clear, clarify, declarative, clarify

close, shut, close, clause, foreclosure, including, excluding

collective, reductive, duct, index, predicative, index, predicate, dictate, indict, dictionary

care, cultivate, culture

commonwealth, communicate

run, go, electric, electromagnet, electron
gene
gress
jac, ject
lit, litera
lec, leg, lig
law
privilege,
legislature
side
multilateral
choose, pick, read
election, selective,
college, legend,
intelligence
step, degree, do
gradient, digressive
adjacent, object
relate, translate
carry, bear
heterogeneous
race, kind, birth
genocide,
generate,
return, translate
bear, carry
interracial, literate
letter
illiteracy, literal
step, degree, do
people, produce
native, national
mass, pile
molecule
mutual
borrowed
reciprocal
move
automobile,
unmotivated,
promote, remove
part
polynomial
small
minority, minimal
go away,
change, depart
emigrant,
migration,
minority, minimal
promote, remove
unmotivated,
automobile,
migrate,
bound, method,
accommodate
unmodified,
manner
press  radi  rect  sect

sequ  serv  solv  son

secu  solu
spec
sist, stat, stit

tend
tens, tent

sta

struct

vari

ten
tain, tin, tinu

tract

valu
<table>
<thead>
<tr>
<th>Intent</th>
<th>Variable, variant</th>
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</thead>
<tbody>
<tr>
<td>tendon, intensity</td>
<td>stretch, strain</td>
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<tr>
<td>tradition, contract</td>
<td>draw, pull</td>
</tr>
<tr>
<td>violence, evaluate</td>
<td>give value</td>
</tr>
<tr>
<td>vary</td>
<td></td>
</tr>
<tr>
<td>specify, species</td>
<td>constitutional, consistent, assistant, overstatement, establish, construct</td>
</tr>
<tr>
<td>view, sight, kind</td>
<td>stand, set</td>
</tr>
<tr>
<td>build</td>
<td></td>
</tr>
<tr>
<td>hold</td>
<td>constitutional, continental, maintenance, tenant, maintain, instruction, instrument</td>
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</tbody>
</table>
eventual
revenue
intervene
come
proverb, verbal
word
advertise
vertical, diversity
turn
evident, revise
see, separate
climate, microclimate, climagraph, climate, weather

alchemy, chemistry, art of alloying

autocracy, theocracy, rule

mitochondrion, lump, grain, time

biology, symbiosis, throw, parabola, symbol

chronology, chronic, chronological, chronic, chronology

life, biology, symbiosis, throw, parabola, symbol

self, autonomy, automate, chemistry, art of alloying
<table>
<thead>
<tr>
<th>democracy, demographic</th>
<th>diagonal, dialect</th>
<th>cyclic</th>
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</thead>
<tbody>
<tr>
<td>people</td>
<td>between</td>
<td>cycle, wheel</td>
</tr>
<tr>
<td>democracy</td>
<td>through, across</td>
<td>encyclopedia, cyclic</td>
</tr>
<tr>
<td>critical, criterion</td>
<td>crystal, &quot;ice&quot;</td>
<td>circle, wheel</td>
</tr>
<tr>
<td>judge</td>
<td>hard, crust, &quot;clear&quot;</td>
<td>decade, decimal</td>
</tr>
<tr>
<td>economy, ecology</td>
<td>house, home</td>
<td>ten</td>
</tr>
</tbody>
</table>
breakdown, decomposition, analysis, catalyst, equal, isotherm, isosceles, magnetic, electromagnetic

thousand

monologue, illogical, dialogue, reason

speech, word, breakdown

and/or, catalyst, decomposition

illogical, dialogue, monologue

hyperbolic, over

hydropic, under

water, carbohydrate
meta  metr  micro  mito
mon  nano  nom  odo
 nym
monopolize, monohybrid, dwarf, 'very small', nanosecond, millimeter, small, minute, meteorologist, acronym, astronomer, path, road, exodus, periodical, measure, metric, parameter, millimeter, microwave, mitochondrial, mitosis, metaphor, microclimate, small, minute, beside, after, later, name, word, one
meta

metr

micro

mito

mon

nano

nom

nym

odo
periodical
pentagon
appearance
show

philosophy
philanthropist
love, respect

phonology
megaphone, sound, voice

trapezoid, asteroid
asteroid, form of

oxidize, oxymoron
oxygen

paradigm, position
pentagon
five
<table>
<thead>
<tr>
<th>scope</th>
<th>semi</th>
<th>sphere</th>
<th>syn</th>
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<tbody>
<tr>
<td>sym, syl</td>
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<tr>
<td>sys</td>
<td>techn</td>
<td>tele</td>
<td>theor</td>
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</tr>
<tr>
<td>Adverb</td>
<td>Verb</td>
<td>Noun</td>
<td>Adjective</td>
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<tr>
<td>--------------</td>
<td>--------------------------</td>
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<tr>
<td>solely, definitively</td>
<td>causing, making</td>
<td>result of, act of</td>
<td>harassment, entitlement</td>
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<tr>
<td>reflexive, consecutive</td>
<td>fertilize, civilize</td>
<td>state of, quality of</td>
<td>psychology, hydrologic</td>
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<tr>
<td>velocity, majority</td>
<td>to make more like</td>
<td>which (noun)</td>
<td>which (noun)</td>
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<tr>
<td>manner or like</td>
<td>dictatorial, dictatorship</td>
<td>one who, that</td>
<td>science or study</td>
</tr>
<tr>
<td>ten (numeral)</td>
<td>fifteen</td>
<td></td>
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<td>---------------</td>
<td>---------</td>
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<tr>
<td>forms of ordinal numbers (adjective)</td>
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