Language of Health Science

Key

Learning Health Science requires learning a new language. Scientists often use scientific words for common words that most of us already know. For example, a scientist will say "neo" instead of "new" or "pseudo" instead of "fake". To learn science, you need to also learn this new language. Don't worry, though. This list will help you. Just remember that most words can be broken up into a **PREFIX** (the beginning of the word) and a **SUFFIX** (the end of the word). Look at the example on the next page for help on how to use this list.

PREFIX LIST = beginning

- gives you a clue into what to expect in a word's meaning

PREFIX	MEANING	PREFIX	MEANING	PREFIX	MEANING
a-	without, lacking	e-/ef-/ex-	out, out of, from	oculo-	eye
ab-	away from	echin-	spiny	odont-	tooth
adipo-	fat	ect-	outside	olf-	smell
alb-	colorless	en-	in	omni-	all
amphi-/amp-	of both kinds	encephal-	brain	opthal-	
andr-	male	epi-	on, above	oss-/ost-	eye
angio-	vessel (blood)	extra-	outside, beyond	088-7081-	bone
ante-	before	CALL	outside, beyond	phag-	eat
anthropo-	humans	gastro-	stomach	photo-	light
anti-	against	gene-	origin, birth	plasm-	form
aqua-	water	geo-	earth	pneumo-	lungs
arbor-	tree	glottis-	mouth of windpipe	pre-	before
arthro-		gymno-	uncovered	prot-/proto-	first
	jointed	6) 11110	uncovered	pseudo-	
aster-	star	hepato-	liver	pseudo-	fake, false
audi-	hear, sound	hetero-	different	retro-	backward, bac
auto-	self	hiber-	winter	rota-	turn, wheel
bi-	two, twice	homo-	same, alike	rupt-	break, burst
bio-	life, living	hydro-	water	rupt	bleak, buist
bronch-	windpipe (lungs)	hyper-	over, above	sub-	under, beneath
DIOICH-	which the (tungs)	hypo-	below, under, less	super-/sur-	above, upon
card-	heart	-77	below, ander, less	* '	,
carn-	meat	inter-	between	tele-	at a distance
cell-	storeroom	intra-	within, during, inside	therm-	temperature
cephalo-	head	ichty-	fish	trans-	across, beyond
chlor-	green	immunis-	free	tri-	three
chrom-	color	lin strang owrt or	like o or a or I betwee	trop-	turning
chron-	time	leuc-	white	m't see a word in	b lyou do
coel-	hollow	lith-	stone	ventr-	belly
com-/con-/co-		luna-	moon	:	
contra-	with, together			uni-	one
	against	macro-	large	ZO-	animal
cran-	head	meta-	change	20	arminar
cyt-	cell	micro-	small		
de-	from, away	mono-	single		
deca-	ten	multi-	many		
lerma-	skin	morph-	form		
den-	tooth				
di-	two, double	neo-	new		
dia-		non-	not		
	through, across	neur-	nerve		
dis-/dif-	apart from, deprive				

SUFFIX LIST = endings

- usually indicates a procedure, a condition, or a disease

SUFFIX	MEANING		
-able/ -ible	able to, capable of		
-algia	pain and and sear of work on of		
-ectomy	cut out		
-ent, -er, -ist	person, agent		
-graph	instrument for making records		
- ic	of or pertaining to		
-ism	act of, condition		
-itis	inflammation (swelling) or disease		
-meter	measure		
-ology/ -logy	study of, science of		
-phyll	leaf		
-pod/-ped	foot, feet		
-scope	look, observe		
-sect	cut		
-sperm	seed		
eat			

Example of how to use these lists

Word: **DERMATOLOGIST**

Step 1. Look up the first part of the word under the PREFIX LIST

→ derma = skin

Step 2. Look for the rest of the word under the SUFFIX LIST

→ ology = study/science of

→ ist = person

So, the whole word means "skin - science of - person" or person whose science is skin.

Note

- > The order of the words may not always seem right; don't worry about that.
- Sometimes you can only find one part of a word but that can be a good clue about the meaning
- You may have extra letters like o or a or i between two parts of a word—they don't mean anything
- If you don't see a word in the suffix list, check the prefix list. Sometimes, words can contain more than 1 prefix and suffix.

Per Date
Using the <u>Language of Science</u> prefix and suffix lists, figure out the meanings of the follow Notice that several prefixes can mean the same thing:
1. What are two prefixes that mean ONE or SINGLE? unic mono
2. What are two suffixes that mean <u>CUT</u> or <u>CUT OUT</u> ? <u>Sect</u> <u>ectomy</u>
3. What are two prefixes that mean ABOVE or ON? Super epi hyper
4. What are two prefixes that mean TWO? bi di
Just knowing one part of a word gives you a clue to the whole word:
5. Would you want to be careful when touching an animal called an ECHINDNA? (Yes) No
6. What does a CARNIVORE eat?
7. Is a <u>NEONATE</u> a tiny baby or an old person? <u>baby</u> (new)
8. Is a <u>CRAN</u> IOTOMY a serious surgery? Yes No head
9. An ALBINO rabbit is what color? white
10. Does an AMPHIBIAN live on land or water?both
11. If a medicine is CONTRAINDICATED for you, should you take it? Yes No against
12. A DERMATOLOGIST works with what part of the body? _skin
13. How does a tiny animal called a ROTIFER travel through the water?
(hint: look up rota)
14. If you visited the Elysian Park ARBORETUM, what would you expect to see?
15. In 1969, where did the <u>LUN</u> AR mission land?
16. What is another name for a CHRONOMETER? clock -> time
17. Why do they call this symbol (*) an ASTERISK? star
Using the <u>Language of Science</u> prefix and suffix lists, figure out the meanings of the following words: Example: <u>cardiology</u> – heart study or science (study of the heart)
18. arthropod- jointed foot
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20. epiglottis- above mouth of windpipe
21. multicellular - many storerooms
22. hypodermic- below the skin

Name __

23. anthropology –	Study of humans	
24. hypothermic-	below temperature	
25. gymnosperm-	uncovered seed	ng the <u>Langinge of octence</u> postus and sulfib fee that several prefixes can mean the game
26. pseudopod-	false foot	What are two prefixes that mean OME or SIM
27. photograph—	light making instrum	nent
28. autograph-	self record	What are two prefixes that mean ABOVE or O
29. neuralgia –	nerve pain	What are two prefixes that mean TWO?b
30. decapod –	ten foot	landwing one part of a word gives you a clu
31. hepatitis—	liver disease	Would you want to be careful when touchten
32. cytology –	study of the cell	What does a CARNIVORE and Incent
33. zoology –	study of animals	is a NEONATE a tiny bains or are also correct
34. microbiology –	study of small living -	Hings
35. geology –	study of the earth	As ALBINO rabbit is what color? white
36. biology –	study of life	Contempo Southern and MAISTHSMA on ago
37. phototropism-	act of turning toward	ls life
	nisla surrena	A DERMATOLOGIST source states at the state of the state o
Use your prefix-suff	ix list to make up a scientific v	word with the following meaning: Aw.V.
38. The study of cells	ex!	cytology
39. Heat from within	yourself	hyperintrathermic
40. Lining of the ston	nach	gastrodermic
41. White blood cell	noom	leucocyte
42. an organism chan	ging in appearance or form	metamorph