

The Language of Science

The main reason students find it difficult to understand science is because of all the hard to write, spell and read words. Actually, scientific vocabulary is a hodge podge of little words that are linked together to have different meanings. If you learn the meanings of the little words, you'll find scientific vocabulary much easier to understand. Use this list to guess the meaning of each of the terms.



Word	Meaning
hemo	blood
hyper	above
hypo	below
intra	within, inside
itis	disease, inflammation
lateral	side
logy	study of
lys	break down
meter	measurement
meso	middle
mono	one, single
morph	form
micro	small
macro	large
multi	many
pod	foot
phage	to eat
phobia	dislike, fear
philia	like
plasm	form
proto	first
photo	light
poly	many
sclera	harden
synthesis	to make
sub	lesser, below
troph	eat, consume
therm	heat
vore	swallow, devour
zoo, zoa	animal

Word	Meaning
a or an	not, without, lacking
auto	self
aero	air
endo	inner, inside
entero	intestine
aero	needing oxygen or air
anti	against
amphi	both, doubly
aqua	water
arthro	joint
auto	self
bi	two, twice, double
bio	life, living
carne	flesh
cephal	head
chloro	green
chromo	color
cide	killer, kill, killing
cyto	cell
derm	skin
di	two, double
ecto (exo)	outer, external
endo	internal
epi	above
gastro	stomach
genesis	origin, beginning
herba	plants
hetero	different
homo	alike, similar
hydro	water

1. Hydrology: Study of water
2. Cytology: study of cell
3. Protozoa: first animal
4. Epidermis: above the skin
5. Spermatogenesis: origin of sperm
6. Cytoskeleton: cell movement (network of microtubules inside the cell that

help to give shape and make cell movement possible)

7. Abiotic: without life.
8. Dermatitis: skin inflammation
9. Hypodermic: under the skin
10. Hemophilia: blood like (ability of blood clotting is reduced) prolonged bleeding.
11. Endocytosis: inside the cell
12. Insecticide: insect killer
13. Anaerobic: without oxygen
14. Bilateral: two sides
15. Endotherm: inside heat / internal heat
16. Subspecies: below specie
17. Arthropod: Joint foot
18. Micrometer: small measurement
19. Hypothermia: below heat
20. Polymorph: multi form
21. Photosynthesis: put light together (plants use energy of the light to create their food using H₂O and CO₂).
22. Amphibios (amphibian): double life
23. Heterotroph: eat different things (they cannot make their own food)
24. Encephalitis: inflammation of the brain
25. Monochrome: One color
26. Autolysis: self-destruction of cells
27. Herbivore: devour plants
28. Homology: similar origin
29. Macrophage: to eat large pathogens
30. Carnivore: Devour flesh
31. Gastroenterologist: diagnose and treat the disorder of stomach and intestine
32. Scleroderma: harden skin disease

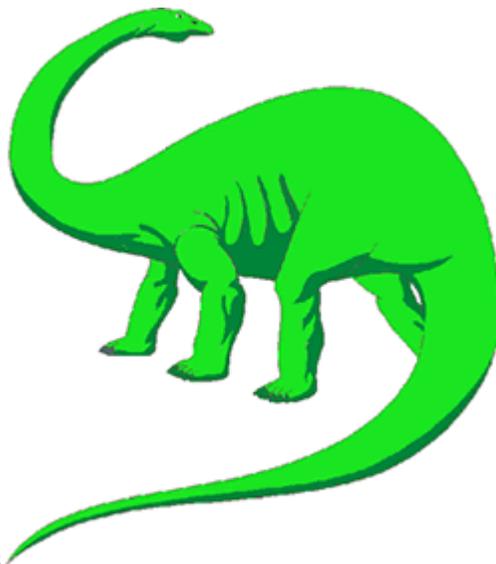
33. Autotroph: make their own food

34. Autolysis: Self-destruction

35. Podiatrist: foot physician

What scientific words can you create or think of from the list? (Come up with at least 4) **Be Creative!**

- Mesoderm
- Endotherm
- Hydrophobia
- Endoderm
- Ectoderm
- Endoplasm



Apatasaurus

Apatasaurus, or "deceptive lizard"

