**WORD PARTS**

**MORPHEME**

* Morphemes are the building block of words. In english, the term “ morpheme” most commonly refers to prefixes and suffixes that be can added to a word to change its function or meaning.
* e. g: morph = shape
* Polymorph, metamorphosis, morphology, morphogenesis.

**PREFIX**

* A regular morpheme that can be added to the beginning of a word to modify the meaning.
* e.g: poly \_ . Meta\_ .

**SUFFIX**

* A regular morpheme that is added to the end of a word, creating a new word.
* e. g.: \_logy. \_ genesis.

**WHY YOU STUDY MORPHEMES?**

* They help you figure out words that you don't know.
* When you're reading your text books
* When you're reading a scientific papers or articles

**BIOLOGY PREFIXES AND SUFFIXES**

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| **BIOLOGY PREFIXES AND SUFFIXES** | | |
| **prefixes/suffixes** | **Meaning** | **Example and definition** |
| a/an | Without, negative | Abiotic, asexal |
| aero | air | anaerobic |
| amphi | Both, double | amphibian |
| anti | against | Antibiotic, antigen |
| Aqua/ hydro | water | Aqueous, hydrolysis |
| Anthro | Man, human | Anthropology, anthropoid |
| auto | self | Autotroph |
| Bi/ di | two | Bilateral , diatomic, dicotyledon |
| bio | life | Biology, biogenisis |
| cephal | head | cephalopod |
| \_cyto\_ | cell | Cytology, exocytosis. |
| \_cide | kill | Hebicide |
| Derm | Skin | Epidermis, |
| Ecto/exo | Outer | Exoderma, exoskeleton |
| Endo | within | endocytosis |
| Gastro | Stomach | gastropod |
| Genesis | Origin | Spermatogenesis |
| gymno | naked | gymnosperms |
| Herba | Grass | herbivore |
| Hetero | Different | Heterosexual, heterozygous. |
| Hema/hemo | Blood | Hemophilia, hemoglobin |
| \_Hybrid\_ | mixture | hybridization |
| Hydro\_ | water | Hydrolysis, hydrology |
| Hyper | Above, over | Hyperthermia |
| Hypo | Under, lower | Hypothermia |
| Intra\_ | Inside | Intraocular, |
| Inter\_ | Between | Interstitial fluid |
| Iso\_ | equal | Isogamy |
| Lact\_ | milk | lactose |
| Leuk\_ | white | leukocyte |
| \_logy | science | Geology, dermatology |
| \_lysis | Decomposition, destruction | chemolysis |
| \_meter | measure | Thermometer |
| Macro\_ | large | Macroscopic, macrophage |
| Micro\_ | small | Microscope, microorganism |
| Mono\_ | one | Monocotyledon: |
| \_morph\_ | shape | Polymorph |
| Multi\_ | many | Multicolored |
| Melan\_ | black | Melanin |
| Neo\_ | new | Neoanthropic |
| Neuro\_ | Nerve, brain | Neuroblast |
| \_Ocul\_ | eye | monocular |
| Olig\_ | Few, little | Oligosaccharide |
| Oste\_ | bone | Osteoporosis, osteoclastic |
| Phago\_ | eat | Phagocyte |
| Photo\_ | light | Photosynthesis |
| Phyto\_ | plant | Phytoplankton, |
| Poly\_ | many | Polygenic |
| Post\_ | after | Postocular |
| Pseudo\_ | false | Pseudopods |
| \_phage | eat | bacteriophage |
| \_phobia | fear | Necrophobia |
| Proto- | single | protozoan |
| \_philic | love | Hydrophilic |
| \_phyll | leaf | Chlorophyll, xanthophylls |
| Re\_ | Back again | reproduce |
| \_rhize | root | Mycorrhize |
| Sapro\_ | rotten | saprophyte |
| Spor\_ | seed | sporangium |
| Syn\_/sym | Together, with | Synthesis, symbiosis |
| \_scope | Examine, investigate | microscope |
| \_sis | condition | dialysis |
| Therm\_ | heat | Thermometer, thermostat |
| Troph\_ | nourishment | Heterotroph, autotroph |
| Tri\_ | three | Triglycerides |
| Tox | toxic | Toxin |
| Un\_ | not | unsatureted |
| Uni\_ | one | unicellular |
| Vas\_ | vessel | Vasodilatation, vascular |
| Vita\_ | life | vitamin |
| \_vore | eating | omnivore |
| Xantho\_ | yellow | Xanthophylls |
| Xero\_ | dry | xeroderma |
| Xeno\_ | strange | xenolith |
| Xylo\_ | wood | xylem |
| Zoo\_ | animal | zoology |
| Zygo\_ | union | zygote |
| \_zym | Ferment | Enzyme, lysozyme |