

ROOTS, PREFIXES AND SUFFIXES USED IN BIOLOGY

| RPS | Definition | RPS | Definition | RPS | Definition | RPS | Definition | RPS | Definition |
|---------------|--------------------|---------------|-------------------|-------------|----------------------|----------------------|-----------------------|---------------|-------------------------|
| A, an | Without, lack | Auto | Self, same | Circum | Around | Epi | On, at, beside | Homo, homeo | Same |
| Ab | From, away from | Av | Bird | Clast | To break | Equ | Equal, horse | Homo, homin | Man |
| Abdomen | belly | Bacillo | A little sick | Cloac | Sewer | Erythro | Red | Homolog | Agreeing |
| Abscis | Cut off | Bacter | Small rod | Cnid | Stinging nettle | Esophag | Gullet | Hydro | Water |
| Absol | Perfect, complete | Baro | Pressure | Co | Together, with | -e, -ette | Little, small | Hyper | Above, excessive |
| Abts | bottomless | Basid | Pedestal | Coagul | Curdle | Eu | True | Hypo | Below, not enough |
| -acanth | Thorn, spine | Benth | Depth, bottom | Cocci | Berry, seed | Ex | Out | -ia, iasis | Disease, infestation |
| Acid | Sour, tart | Bi | Two, twice | Coel | Cavity | Facilit | Easy to do | -iasis | Abnormal condition |
| Actino | Ray, star-like | Bio | Life | Colla | Glue | Feli | Cat | Ichthys | Fish |
| Ad, af | Near, toward | Blast, blasto | Germinate, form | Com, con | With, together | Fem | Thigh | -ide | Chemical compound |
| Adapt | To fit | Botan | Grass, herb | Compo | To put together | -fer | Bear, carry | -idium | Little |
| Addict | Devoted, compelled | Bov | Cow | Contra | Opposite, against | Fil | Thread | Ign | Fire |
| Adher | To stick to | Brachi | Arm | Coroll | Little crown | Filli | Fem | ile | Twisted |
| Adipo | fat | Brachy | Short | Corpus | Body | Filla | Daughter | Immuni | Free, safe |
| Adventit | foreign | Branchi | Gills | Cortex | Outer part, shell | Fin | End | Incis | Cut into |
| Aero | Air, oxygen | Bronch | Windpipe | Costa | Rib | Flagell | Whip | Infer | Below |
| Aesthes | feeling | Byo | Moss | Cox | Hip | Flor, floresc | Flower, blooming | Infra | Below, beneath |
| Agglutin | Glued together | Bucc | Cheek, mouth | Crista | Crest, ridge | Foli | Leaf | Inter | Between, among |
| Agri | field | Bulim | Hunger | Crypto | Hidden | -form, formes | Having form of | Intra | Within, inside |
| Al | wing | Cadaver | Dead body | -cule | Small | Foss | Ditch, to dig up | Intro | Entrance |
| -al | Pertaining to | Caec, cec | Blind end | Cut, cuti | Skin | Frat | Brother | Ion | To go, to wander |
| Alb | Albino, white | Callo | Hard skin | Cyano | Blue-green | Fung | Mushroom | -ism | The process of |
| Ailment | food | Calor | Heat | Cyst | Capsule, sac | Galax, galacto | Milk | Iso | Equal, same |
| Alkalo | Basic, alkaline | cani | Dog | Cylo, cyte | Cell | Gam | Unit of sexual fusion | -itis | Inflammation |
| All, allo | Other, different | Capit, capit | Head | De | Take away, remove | Ganglion | Swelling, enlargement | Junct | To join |
| Allel | Of one another | Capill | Hair, minute tube | Decidu | To fall off | Gastro | Stomach | Juven | Youth |
| Alveolus | Cavity, socket | Carap | Shell, covering | Dendr | Tree | Gen | Producing, origin | Karyo | Nucleus, nut |
| Ambi | Both, around | Carcino | Cancer | Dent, don't | Tooth | Genitus | Born | Kerat | Horny tissue |
| Ambul | walk | Cardinal | Red, principal | Derm | Skin | Geo | Earth | Kin | Motion |
| Amoeb | change | Cardio | Heart | Di | Two | Gleno | Socket, eyeball | Labi | Lip |
| Amphi | Both, double | Cari | Decay | Dia | Through, across | Gluco, glyco, glycer | Sugar | Lacri | Tears, weeping |
| Amyl | starch | Cam | Flesh | Diem | Day | Gram | Written record | Lac, lacto | Milk |
| An | lack | Carp | Fruit, wrist | Diffus | Move apart | Graph | Writing | Lamell, lamin | Small, thin plate |
| Ana | Up, against, anew | Caryo | Nucleus of cell | Dino | Terrible, whirling | Gravi, gravid | Pregnant | Lateral | Side |
| Anat | To cut up | Cata | Decomposition | Diplo | Double, twofold | Gust | Taste | -let | Small |
| Andro | male | Caus | To bum | Dis | Apart from, negative | Gymno | Naked | Leuco, leuko | White |
| Angio | Vessel, seed case | Cauda | Tail | Domin | Ruling | Gyno | Woman | Lign | Wood |
| annu | year | Cav, cavit | Hollow | Dorm | To sleep | Habitat | To live in | Linn | Marsh, lake |
| Annul | ring | Cell, cellul | Small room | Dors, dorsi | Back | Halo | Salt, sea | Lingu | Tongue |
| Ante | Before, prior to | Cephalo | Head | Duc, duct | Lead | Haplo | Single, simple | Lipos | Fat |
| Anth | A flower | Cereb | Brain | Dyn | Power | Helio | Sun | Litho | Stone |
| Anthrop | Man, human | Cervical | Neck | Dys | Bad | Helic, helix | Spiral, coil | Littor | The seashore |
| Anti | Against, opposite | Cet | Whale | Echino | Spiny | Helminth | Worm | Loc, loca | Place, position |
| Append | Hand to, addition | Cheli, chela | Claw | Eco | Household | Hemi | Half | -logy | Study of |
| Aqua | Water | Chloro | Green | Ecto | Outer | Hemo, hemat, haem | Blood | Luna | Moon |
| Arbor, arbu | Tree | Choano | Funnel | Ectomy | Removal, cut out | Herb | Non-woody plant | -lysis | Dissolving |
| Archae | Ancient, first | Chromo | Color | -el, -elle | Small | Hepato | Liver | Lyso | Release, burst, destroy |
| Arachn | Spider | Chondr | Cartilage | Embol | Stopper, wedge | Herpeto | Reptile | Macro | Large |
| Arthr, arthro | Joint | Chor, chori | Membrane | -emia | Blood | Hetero | Outer, different | Mal | Bad |
| -ase | Enzyme | Chronos | Time | Emul | To milk | Hibern | Winter | Mandibul | Jaw |
| Astr | Star | Chryso | Golden | Endo | Inner, within | Hirud | Leech | Mania | Madness |
| Aur | Ear | Cide | Kill | Enter | Intestine | Histo | Tissue | Marsup | Purse, pouch |
| Aureo | golden | Cili | Hair | Entom | Insect | Holo | Whole, entire | Mastig | whip |