

**SCIENTIFIC ROOT WORDS, PREFIXES, AND SUFFIXES**  
<http://www.succeedinscience.com/apbio/assignments/generalinfo/rootwords.pdf>

a-; an-	not; without;lacking;deficient	cente-	hundredth	-err-	wander; go astray
ab-	away from; out from	centi-	center	erythro-	red
-able	capable of	centr-	center	-escent	becoming
ac-	to; toward	cephal-	head	eso-	inward; within; inner
-aceous	of or pertaining to	cerat-	horn	eu-	well; good; true; normal
acou-; acous-	hear	cerebr-	brain	EURY-	widen
ad-	to; toward	cervic-	neck	EX-	out of; away from
aden-	gland	chel-	claw	extra-	beyond; outside
adip-	fat	chem-	dealing with chemicals	-fer-	bear; carry; produce
aero-	air	chir-	hand	ferro-	iron
agri-	field; soil	chlor-	green	fibr-	fiber; thread
-al	having the character of	chondr-	cartilage	-fid; fiss-	split; divided into
alb-	white	chrom-; -chrome	color	-flect; -flex	bend
alg-; -algia	pain	chron-	time	flor-	flower
alto-	high	-chym-	juice	flu-; fluct-; flux	flow
ambi-	both	-cid-; -ds-	cut; kill; fall	foli-	leaf
ameb-	change; alternation	circa-; circum-	around; about	fract-	break
amni-	fetal membrane	cirru-	hairlike curls	-gam-	marriage
amphi-; ampho-	both	co-	with; together	gastr-	stomach
amyl-	starch	cocc-	seed; berry	geo-	land; earth
ana-	up; back; again	coel-	hollow	-gen-; -gine	producer; former
andro-	man; masculine	coll-	glue	-gene-	origin; birth
anemo-	wind	coni-	cone	-gest-	carry; produce; bear
ang-	choke; feel pain	contra-	against	-glen-	eyeball
angi-	blood vessel; duct	corp-	body	-glob-	ball; round
ante-	before; ahead of time	cort-; cortic-	outer layer	gloss-	tongue
anter-	front	cosmo-	world; order; form	gluc-; glyc-	sweet; sugar
antho-	flower	coty-	cup	glut-	buttock
anti-	against; opposite	counter-	against	gnath-	jaw
anthropo-	man; human	crani-	skull	-gon-	angle; corner
-ap-; -aph-	touch	cresc-; cret-	begin to grow	-grad-	step
apo-; ap-	away from	crypt-	hidden; covered	-gram-; graph	record; writing
acu-	water	-cul-; -cule	small; diminutive	grav-	heavy
archaeo-	primitive; ancient	cumul-	heaped	-gross-	thick
-ary-; -arium	place for something	cuti-	skin	gymno-	naked; bare
arteri-	artery	cyan-	blue	gyn-	female
arthr-	joint; articulation	-cycle; cycl-	ring; circle	gyr-	ring; circle; spiral
-ase	forms names of enzymes	-cyst	sac; pouch; bladder	-hal-; -hale	breathe; breath
aster-; astr-	star	cyt-; -cyte	cell; hollow container	halo-	salt
-ate	verb form - the act of...	dactyl-	finger	hap-	simple
ather-	fatty deposit	de-	away from; down	hecto-	hundred
-ation	noun form - the act of...	deca-	ten	-helminth-	worm
atmo-	vapor	deci-	tenth	hem-	blood
audi-	hear	deliques-	become fluid	hemi-	half
aur-	ear	demi-	half	hepar-; hepat-	liver
auto-	self	dendr-	tree	herb-	grass; plants
bacter-; bactr-	bacterium; stick; club	dent-	tooth	hetero-	different; other
barb-	beard	derm-	skin	hex-	six
baro-	weight	di-; dipl- (Latin)	two; double	hibern-	winter
bath-	depth; height	di-; dia- (Greek)	through; across; apart	hidr-	sweat
bene-	well; good	dia- (Latin)	day	hipp-	horse
bi- (Latin)	two; twice	digit-	finger; toe	hist-	tissue
bi-; bio- (Greek)	life; living	din-	terrible	holo-	entire; whole
-blast-	sprout; germ; bud	dis-	apart; out	homo- (Latin)	man; human
brachi-	arm	dorm-	sleep	homo- (Greek)	same; alike
brachy-	short	dors-	back	hort-	garden
brachy-	slow	du-; duo-	two	hydr-	water
branchi-	fin	-duct	lead	hygr-	moist; wet
brev-	short	dynam-	power	hyper-	above; beyond; over
bronch-	windpipe	dys-	bad; abnormal; difficult	hyph-	weaving; web
cac-	bad	ec-	out of; away from	hypno-	sleep
calor-	heat	echin-	spiny; prickly	hypo-	below; under; less
capill-	hair	eco-	house	hyster-	womb; uterus
capit-	head	ecto-	outside of	-iac	person afflicted with disease
carcin-	cancer	-elle	small	-iasis	disease; abnormal condition
cardi-	heart	-emia	blood	-ic	(adjective former)
carn-	meat; flesh	en-; endo-; ent-	in; into; within	ichthy-	fish
carp-	fruit	-en	made of	ign-	fire
carpal-	wrist	encephal-	brain	in-; il-; im-; ir-	not
cata-	breakdown; downward	enter-	intestine; gut	in-; il-; im-; ir-	to; toward; into
caud-	tail	entom-	insects	in-	very; thoroughly
-cell-	chamber; small room	-eous	nature of; like	-ine	of or pertaining to
cen-; -cene	now; recent	epi-	upon; above; over	infra-	below; beneath