

Appendix

Word Parts and Their Meanings

Word Part	Meaning
a-	not, without, lack of, absence
ab-	away from
abdomin/o	abdomen
-ac	pertaining to
acous, acus	sound, hearing
acro-	extremity, end
ad-	toward, near
aden/o	gland
adip/o	fat
adren/o	adrenal gland, epinephrine
adrenal/o	adrenal gland
adrenocortic/o	adrenal cortex
aer/o	air, gas
-agogue	promoter, stimulator
-al	pertaining to
alg/o, algi/o, algesi/o	pain
-algesia	pain
-algia	pain
ambly-	dim
amnio	amnion
amyl/o	starch
an-	not, without, lack of, absence
andr/o	male
angi/o	vessel
an/o	anus
ante-	before
anti-	against

Word Part	Meaning
aort/o	aorta
-ar	pertaining to
arter/o, arteri/o	artery
arteriol/o	arteriole
arthr/o	joint
-ary	pertaining to
-ase	enzyme
atel/o	imperfect
atlant/o	atlas
atri/o	atrium
audi/o	hearing
auto-	self
azot/o	nitrogenous compounds
bacill/i, bacill/o	bacillus
bacteri/o	bacterium
balan/o	glans penis
bar/o	pressure
bi-	two, twice
bili	bile
bio	life
blast/o, -blast	immature cell, productive cell, embryonic cell
blephar/o	eyelid
brachi/o	arm
brachy-	short
brady-	slow
bronch/o, bronch/i	bronchus
bronchiol	bronchiole
bucc/o	cheek

Word Part	Meaning
burs/o	bursa
calc/i	calcium
cali/o, calic/o	calyx
-capnia	carbon dioxide (level of)
carcin/o	cancer, carcinoma
cardi/o	heart
cec/o	cecum
-cele	hernia, localized dilation
celi/o	abdomen
centesis	puncture, tap
cephal/o	head
cerebell/o	cerebellum
cerebr/o	cerebrum
cervic/o	neck, cervix
chem/o	chemical
cheil/o	lip
chir/o	hand
cholangi/o	bile duct
chol/e, chol/o	bile, gall
cholecyst/o	gallbladder
choledoch/o	common bile duct
chondr/o	cartilage
chori/o, choroid/o	choroid
chrom/o, chromat/o	color, stain
chron/o	time
circum-	around
clasis, -clasia	breaking
clitor/o, clitorid/o	clitoris
coccy, coccyg/o	coccyx
cochle/o	cochlea (of inner ear)
col/o, colon/o	colon
colp/o	vagina
contra-	against, opposite, opposed
copro	feces
cor/o, cor/e	pupil
corne/o	cornea
cortic/o	outer portion, cerebral cortex

Word Part	Meaning
cost/o	rib
counter-	against, opposite, opposed
crani/o	skull, cranium
cry/o	cold
crypt/o	hidden
cus	sound, hearing
cyan/o-	blue
cycl/o	ciliary body, ciliary muscle (of eye)
cyst/o	filled sac or pouch, cyst, bladder, urinary bladder
-cyte, cyt/o	cell
dacry/o	tear, lacrimal apparatus
dacryocyst/o	lacrimal sac
dactyl/o	finger, toe
de-	down, without, removal, loss
dent/o, dent/i	tooth, teeth
derm/o, dermat/o	skin
-desis	binding, fusion
dextr/o-	right
di-	two, twice
dia-	through
dilation, dilatation	expansion, widening
dipl/o-	double
dis-	absence, removal, separation
duoden/o	duodenum
dynam/o	force, energy
dys-	abnormal, painful, difficult
ec-	out, outside
ectasia, ectasis	dilation, dilatation, distention
ecto-	out, outside
-ectomy	excision, surgical removal
edema	accumulation of fluid, swelling
electr/o	electricity
embry/o	embryo

Word Part	Meaning
emesis	vomiting
-emia	condition of blood
encephal/o	brain
end/o-	in, within
endocrin/o	endocrine
enter/o	intestine
epi-	on, over
epididym/o	epididymis
episi/o	vulva
equi-	equal, same
erg/o	work
erythr/o-	red, red blood cell
erythrocyt/o	red blood cell
esophag/o	esophagus
-esthesia, -esthesi/o	sensation
eu-	true, good, easy, normal
ex/o-	away from, outside
extra-	outside
fasci/o	fascia
fer	to carry
ferr/i, ferr/o	iron
fet/o	fetus
fibr/o	fiber
-form	like, resembling
galact/o	milk
gangli/o, ganglion/o	ganglion
gastr/o	stomach
gen, genesis	origin, formation
ger/e, ger/o	old age
-geusia	sense of taste
gingiv/o	gum, gingiva
gli/o	neuroglia
glomerul/o	glomerulus
gloss/o	tongue
gluc/o	glucose
glyc/o	sugar, glucose
gnath/o	jaw
goni/o	angle

Word Part	Meaning
-gram	record of data
-graph	instrument for recording data
-graphy	act of recording data
gravida	pregnant woman
gyn/o, gynec/o	woman
hem/o, hemat/o	blood
hemi-	half, one side
-hemia	condition of blood
hepat/o	liver
hetero-	other, different, unequal
hidr/o	sweat, perspiration
hist/o, histi/o	tissue
homo-, homeo-	same, unchanging
hydr/o	water, fluid
hyper-	over, excess, increased, abnormally high
hypn/o	sleep
hypo-	under, below, decreased, abnormally low
hypophysi/o	pituitary, hypophysis
hyster/o	uterus
-ia	condition of
-ian	specialist
-ia/sis	condition of
-iatrics	medical specialty
-iatr/o	physician
-iatry	medical specialty
-ic	pertaining to
-ical	pertaining to
-ics	medical specialty
-ile	pertaining to
ile/o	ileum
ili/o	ilium
im-	not
immun/o	immunity, immune system
in-	not
infra-	below
in/o	fiber, muscle fiber

Word Part	Meaning
insul/o	pancreatic islets
inter-	between
intra-	in, within
ir, irit/o, irid/o	iris
-ism	condition of
iso-	equal, same
-ist	specialist
-itis	inflammation
jejun/o	jejunum
juxta-	near, beside
kali	potassium
kary/o	nucleus
kerat/o	cornea, keratin, horny layer of skin
kin/o, kine, kinesi/o, kinet/o	movement
labi/o	lip
labyrinth/o	labyrinth (inner ear)
lacrim/o	tear, lacrimal apparatus
lact/o	milk
-lalia	speech, babble
lapar/o	abdominal wall
laryng/o	larynx
lent/i	lens
-lepsy	seizure
leuk/o-	white, colorless, white blood cell
leukocyt/o	white blood cell
-lexia	reading
lingu/o	tongue
lip/o	fat, lipid
-listhesis	slipping
lith	calculus, stone
-logy	study of
lumb/o	lumbar region, lower back
lymphaden/o	lymph node
lymphangi/o	lymphatic vessel
lymph/o	lymph, lymphatic system, lymphocyte

Word Part	Meaning
lymphocyt/o	lymphocyte
-lysis	separation, loosening, dissolving, destruction
-lytic	dissolving, reducing, loosening
macro-	large, abnormally large
mal-	bad, poor
malacia	softening
mamm/o	breast, mammary gland
-mania	excited state, obsession
mast/o	breast, mammary gland
medull/o	inner part, medulla oblongata, spinal cord
mega-, megal/o-	large, abnormally large
-megaly	enlargement
melan/o-	black, dark, melanin
mening/o, meninge/o	meninges
men/o, mens	month, menstruation
mes/o-	middle
met/a	change, after, beyond
-meter	instrument for measuring
metr/o	measure
metr/o, metr/i	uterus
-metry	measurement of
micro-	small, one millionth
-mimetic	mimicking, simulating
mon/o-	one
morph/o	form, structure
muc/o	mucus, mucous membrane
multi-	many
muscul/o	muscle
myc/o	fungus, mold
myel/o	bone marrow, spinal cord
my/o	muscle
myring/o	tympanic membrane
myx/o	mucus
narc/o	stupor, unconsciousness

Word Part	Meaning
nas/o	nose
nat/i	birth
natri	sodium
necrosis	death of tissue
neo-	new
nephr/o	kidney
neur/o, neur/i	nervous system, nerve
noct/i	night
non-	not
normo-	normal
nucle/o	nucleus
nulli-	never
nyct/o	night, darkness
ocul/o	eye
odont/o	tooth, teeth
-odynia	pain
-oid	like, resembling
olig/o-	few, scanty, deficiency of
-oma	tumor
onc/o	tumor
onych/o	nail
oo	ovum
oophor/o	ovary
ophthalm/o	eye
-opia	condition of the eye, vision
-opsia	condition of vision
opt/o	eye, vision
orchid/o, orch/o	testis
or/o	mouth
ortho-	straight, correct, upright
-ory	pertaining to
osche/o	scrotum
-ose	sugar
-o/sis	condition of
osm/o	smell
-osmia	sense of smell
oste/o	bone
ot/o	ear

Word Part	Meaning
-ous	pertaining to
ovari/o	ovary
ov/o, ovul/o	ovum
-oxia	oxygen (level of)
ox/y	oxygen, sharp, acute
pachy-	thick
palat/o	palate
palpebr/o	eyelid
pan-	all
pancreat/o	pancreas
papill/o	nipple
para-	near, beside, abnormal
para	woman who has given birth
parathyr/o, parathyroid/o	parathyroid
-paresis	partial paralysis, weakness
path/o, -pathy	disease, any disease of
ped/o	foot, child
pelvi/o	pelvis
-penia	decrease in, deficiency of
per-	through
peri-	around
perine/o	perineum
periton, peritone/o	peritoneum
-pexy	surgical fixation
phac/o, phak/o	lens
phag/o	eat, ingest
pharm, pharmac/o	drug, medicine
pharyng/o	pharynx
-phasia	speech
phil, -philic	attracting, absorbing
phleb/o	vein
-phobia	fear
phon/o	sound, voice
-phonia	voice
phot/o	light
phren/o	diaphragm
phrenic/o	phrenic nerve

Word Part	Meaning
phyt/o	plant
pituitar/i	pituitary, hypophysis
plas, -plasia	formation, molding, development
-plasty	plastic repair, plastic surgery, reconstruction
-plegia	paralysis
pleur/o	pleura
-pnea	breathing
pneum/o, pneumat/o	air, gas, lung, respiration
pneumon/o	lung
pod/o	foot
-poiesis	formation, production
poikilo-	varied, irregular
poly-	many, much
post-	after, behind
pre-	before, in front of
presby-	old
prim/i-	first
pro-	before, in front of
proct/o	rectum
prostat/o	prostate
prote/o	protein
pseudo-	false
psych/o	mind
ptosis	dropping, downward displacement, prolapse
ptysis	spitting
puer	child
pulm/o, pulmon/o	lung
pupill/o	pupil
pyel/o	renal pelvis
pylor/o	pylorus
py/o	pus
pyr/o, pyret/o	fever, fire
quadr/i-	four
rachi/o	spine
radicul/o	root of spinal nerve

Word Part	Meaning
radi/o	radiation, x-ray
re-	again, back
rect/o	rectum
ren/o	kidney
reticul/o	network
retin/o	retina
retro-	behind, backward
rhabd/o	rod, muscle cell
-rhage, -rhagia	bursting forth, profuse flow, hemorrhage
-rhaphy	surgical repair, suture
-rhea	flow, discharge
-rhexis	rupture
rhin/o	nose
sacchar/o	sugar
sacr/o	sacrum
salping/o	tube, uterine tube, auditory (eustachian) tube
-schisis	fissure, splitting
scler/o	hard, sclera (of eye)
sclerosis	hardening
-scope	instrument for viewing or examining
-scopy	examination of
seb/o	sebum, sebaceous gland
semi-	half, partial
semin	semen
sept/o	septum, dividing wall, partition
sial/o	saliva, salivary gland, salivary duct
sider/o	iron
sigmoid/o	sigmoid colon
sinistr/o	left
-sis	condition of
skelet/o	skeleton
somat/o	body
-some	body, small body
somn/i, somn/o	sleep

Word Part	Meaning
son/o	sound, ultrasound
spasm	sudden contraction, cramp
sperm/i	semen, spermatozoa
spermat/o	semen, spermatozoa
-spermia	condition of semen
sphygm/o	pulse
spir/o	breathing
splen/o	spleen
spondyl/o	vertebra
staped/o, stapedi/o	stapes
staphyl/o	grape-like cluster, <i>Staphylococcus</i>
stasis	suppression, stoppage
steat/o	fatty
stenosis	narrowing, constriction
steth/o	chest
sthen/o	strength
stoma, stomat/o	mouth
-stomy	surgical creation of an opening
strept/o-	twisted chain, <i>Streptococcus</i>
sub-	below, under
super-	above, excess
supra-	above
syn-, sym-	together
synov/i	synovial joint, synovial membrane
tachy-	rapid
tax/o	order, arrangement
tel/e-, tel/o-	end, far, at a distance
ten/o, tendin/o	tendon
terat/o	malformed fetus
test/o	testis, testicle
tetra-	four
thalam/o	thalamus
therm/o	heat, temperature
thorac/o	chest, thorax
thromb/o	blood clot

Word Part	Meaning
thrombocyt/o	platelet, thrombocyte
thym/o	thymus gland
thyr/o, thyroid/o	thyroid
toc/o	labor
-tome	instrument for incising (cutting)
-tomy	incision, cutting
ton/o	tone
tonsil/o	tonsil
tox/o, toxic/o	poison, toxin
toxin	poison
trache/o	trachea
trans-	through
tri-	three
trich/o	hair
-tripsy	crushing
trop/o	turning
trop, -tropic	act(ing) on, affect(ing)
troph/o, -trophy, -trophia	feeding, growth, nourishment
tympan/o	tympanic cavity (middle ear), tympanic membrane
un-	not
uni-	one
-uresis	urination
ureter/o	ureter
urethr/o	urethra
-uria	condition of urine, urination
ur/o	urine, urinary tract
urin/o	urine
uter/o	uterus
uve/o	uvea (of eye)
uvul/o	uvula
vagin/o	sheath, vagina
valv/o, valvul/o	valve
varic/o	twisted and swollen vein, varix
vascul/o	vessel

Word Part	Meaning
vas/o	vessel, duct, vas deferens
ven/o, ven/i	vein
ventricul/o	cavity, ventricle
vertebr/o	vertebra, spinal column
vesic/o	urinary bladder
vesicul/o	seminal vesicle
vestibul/o	vestibule, vestibular apparatus (of ear)
vir/o	virus
vulv/o	vulva
xanth/o-	yellow
xen/o	foreign, strange
xer/o-	dry
-y	condition of