

Analyzing Medical Terms	The Body's Organization	Word Elements (cont)	Word Elements
Root: the central meaning of a word. Ex: <i>arthr</i> itis; arthr meaning joint. Suffixes: always comes at the end of the word. Ex: arthr <i>itis</i>; itis meaning inflammation of. Prefixes: always at the beginning of the word. Ex: <i>peri</i> arthritis; peri meaning around.	Tissues Muscle: both voluntary & involuntary muscles. Connective: supports the internal structures. Nervous: transmit electrical pulses that control parts of the body. Epithelial: covers and protects body structures by lining organs. Anatomical Position: standing erect, palms facing forward with hands at sides, & feet parallel facing forward.	algia - pain Amphi - both sides Ankyl/o - stiff, fused, closed Arthr/o - joint Brachi/o - arm Calcane/o - calcaneus, heel bone Carp/o - wrist Cervic/o - neck Cheir/o - hand Chondr/o - cartilage Cost/o - rib Crani/o - cranium Dactyl/o - finger, toe desis - stabilize or fuse ectomy - removal of, excision of Electro/o - electricity Femur/o - femur, thighbone gram - written record of Humer/o - humerus -itis - inflammation Kinesi/o - movement kinesia - movement Kyph/o - hump logy - study of Lord/o - swayback, curve Lumb/o - lower back malacia - softening My/o - muscle Myel/o - bone marrow oma - tumor Orth/o - correct, straight Os/te/o - bone Ped/o - foot, child Pelv/o - pelvis Phalang/o - bones of the finger, and toes physis - to grow plasty - surgical repair porosis - porous scopy - to visually examine Spondyl/o, vertebr/o - vertebrae Syn - joined together Thorac/o - thorax, chest Zygo - joined (yoked) together	Fasci/o - fibrous membrane Fibr/o - fiber Hemi - half Ligament/o - ligament Muscul/o - muscle My/o - muscle Para - beside, beyond, near paresis - partial or incomplete paralysis plegia - paralysis Quadri - four Sthen/o - strength Tend/o - tendon Ton/o - tone Arachn/o spider Cephal/o head Cerebell/o the cerebellum Cerebr/o the cerebrum Cortic/o outer layer or covering Encephal/o brain Gangli/o, ganglion/o ganglia (singular: ganglion) Gli/o glue Hydr/o water latro/o physician: to treat mania suffix "morbid attraction to" Meningi/o a membrane Ment/o referring to the mind mnesia memory Myel/o with nervous system: spinal cord and medulla oblongata Neur/o a nerve cell; nervous system oid like paresis weakness, loss of movement phasia speech phobia suffix; morbid or unreasonable fear plegia paralyzed Psych/o referring to the mind Schiz/o to split Spin/o referring to the spinal cord
The Body's Organization	Word Elements		
Tissues Muscle: both voluntary and involuntary muscles. Connective: supports the internal structures. Nervous: transmit electrical pulses that control body activity. Epithelial: covers and protects structures by lining body organs. Anatomical Position: standing erect, palms facing forward, arms at sides, and feet parallel pointing forward.	Cutane/o - skin, cyte, cyt/o - cell Derm/o, dermat/o - skin Onych/o - nail Pil/o - hair Seb/o - sebum (oil, fat) Sudor/i - sweat Albin/o - white Cirr/h/o, jaund/o, xanth/o - yellow Cyan/o - blue Epi - upon Erythr/o - red Fero - "to carry" Ichthy/o - dry, scaly Kerat/o - hornlike Melan/o - black Myc/o - fungus Scler/o - hardening Sub - below Xer/o - dry		



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