

Vocabulary List II—Animals

- acoelomate
- amniotes: classes Reptilia, Aves, & Mammalia
- amoebocyte
- ampulla
- anatomical axes: oral/aboral; dorsal/ventral; anterior/posterior; left/right; proximal/distal
- Annelida
- antennae
- anus
- appendicular skeleton: pectoral girdle, pelvic girdle, and limbs
- archenteron
- Arthropoda: classes Crustacea, Insecta, Myriapoda, & Arachnida
- atrium
- axial skeleton: skull & vertebral column
- bipinnaria
- blastocoel
- blastopore
- blastula
- blastulation
- brachiolaria
- branched appendages
- cephalization: brain & spinal cord
- cercus (plural: cerci)
- chitin
- choanocyte
- cilium / ciliated tissue
- circulatory system: ciliated cavity / open vs. closed vascular
- cleavage: radial / spiral; determinate / indeterminate
- clitellum
- cnidarian
- cnidocyte / nematocyst
- coelom
- colonial vs. individual polyps
- compound eyes & ocelli
- connective tissue: adipose; areolar; blood; bone; cartilage; fibrous
- crop
- cuticle.
- deuterostome
- dichotomous key
- differentiation
- digestion: intracellular vs. extracellular
- digestive glands
- dorsal blood vessel
- dorsal nerve tube
- ecdysis & discontinuous growth
- ecdysozoa
- Echinodermata: classes include Echinoidea, Asteroidea, Holothuroidea, Ophiuroidea
- ectoderm
- egg: gelatinous vs. shelled
- embryo
- endoderm
- endoskeleton vs. exoskeleton.
- epidermis
- epithelial tissue, simple or stratified; squamous, cuboidal, or columnar
- esophagus
- eucoelom
- excretory system: direct / metanephridia / nephron / protonephridia / secretory tubules
- procuticle / waxy epicuticle
- extracellular matrix
- extra-embryonic membranes: allantois, amnion, chorion, yolk sac
- flagellum / flagellated cells
- free living vs. parasitic
- gas exchange system: direct / gills / lungs
- gastrodermis
- gastrovascular cavity
- gastrula
- gastrulation
- gizzard
- gnathostomes
- gonad (ovary or testis)
- heart
- hemocoel / hemolymph
- hermaphrodite
- heterotrophic
- hydrostatic skeleton
- Insecta: orders include Coleoptera; Dermaptera; Diptera; Hemiptera; Hymenoptera; Lepidoptera; Odonata; Orthoptera
- instar
- internal fertilization
- intestine, small, large
- jointed appendages
- kidney
- larva & pupa
- locomotion (insect): cursorial / fossorial / saltatorial / volant
- locomotion (worm): ciliary / peristaltic / sinusoidal
- lophotrochozoa
- madreporite
- Malpighian tubules
- mantle / mantle cavity
- medusa
- mesoderm
- mesoglea
- metamorphosis: ametabolous / hemimetabolous / holometabolous
- Mollusca: classes Bivalvia, Gastropoda, Cephalopoda, Polyplacophora.
- morphogenesis
- morula
- motile / motility
- mouth
- mouth field: labrum, mandibles, maxillae, & labium / chewing, piercing, siphoning, or sponging
- mouth field: chelicerae, pedipalps
- multicellular
- muscle, circular & longitudinal
- muscle: skeletal, smooth, or cardiac
- myoepithelium
- Nematoda
- nervous tissue
- neurulation
- notochord
- nymph / naiad
- operculum
- organ
- osculum
- ostia
- pedicellaria
- pharynx
- phylum (plural: phyla)
- planktonic
- planula
- Platyhelminthes

Vocabulary List II—Animals

- polyp
- porifera
- post-anal tail
- proliferation
- Protochordata: classes
Urochordata, Larvacea &
Cephalochordata
- pseudocoelom
- radial canal
- radula
- ring canal
- segmentation: somites
- segments, specialization of
- septa
- setae
- siphon
- spicules
- spine
- spiracles & tracheae
- spongocoel
- stomach
- suspension feeding
- symmetry: radial vs. bilateral vs.
asymmetry
- tagma (plural: tagmata):
head, thorax, & abdomen /
cephalothorax / trunk
- tetrapods: Amphibia & amniotes
- torsion
- tube feet (podia)
- typhlosole
- ventral nerve
- Vertebrata: fishes & tetrapods
- visceral mass
- water vascular system
- wings
- zooxanthellae
- zygote

What developmental clade ... ?

- Deuterostomia
- Ecdysozoa
- Lophotrochozoa
- Mesozoa
- Radiata

What embryological bauplan ... ?

- Diploblastic gastrovascular
- Diploblastic spongocoel
- Triploblastic acoelomate
gastrovascular
- Triploblastic eucoelomate
deuterostome
- Triploblastic eucoelomate
protostome
- Triploblastic pseudocoelomate
protostome