

Vocabulary List III — Vertebrate Animals

- abdominal cavity
- amniotes: classes Reptilia, Aves, & Mammalia
- anatomical axes: dorsal/ventral; anterior/posterior; left/right; proximal/distal
- anus
- aorta
- appendicular skeleton: pectoral girdle, pelvic girdle, and limbs
- archenteron
- atrium
- axial skeleton: skull & vertebral column
- blastocoel
- blastopore
- blastula
- blastulation
- bone: compact / spongy; process / foramen / joint
- carina / procoracoid / furcula / uncinata process / synsacrum / pygostyle / carpometacarpus
- cephalization: brain & spinal cord
- Chordata: Protochordata & Vertebrata
- ciliated tissue
- circulatory system: open vs. closed vascular / ciliated cavity
- clasper
- cleavage: symmetrical (equal) / asymmetrical (unequal); holoblastic / meroblastic
- cleavage: radial / spiral; determinate / indeterminate
- cloaca
- coelom
- connective tissue: adipose; areolar; blood; bone; cartilage; fibrous
- cranium: occipital condyle / nuchal crest / sagittal crest / mandibular fossa / foramen magnum
- crop
- deuterostome
- diaphragm
- differentiation
- digestion: intracellular vs. extracellular
- dorsal nerve tube
- ectoderm
- egg: gelatinous vs. shelled
- embryo
- endoderm
- endoskeleton vs. exoskeleton.
- epidermis
- epithelial tissue, simple or stratified; squamous, cuboidal, or columnar
- esophagus
- eucoelom
- extracellular matrix
- extra-embryonic membranes: allantois, amnion, chorion, yolk sac
- facial bones: zygomatic arch / rostrum / hard palate
- fins: unpaired & paired; pectoral, pelvic, dorsal, anal, caudal
- fish form: anguilliform; compressiform; depressiform; fusiform; sagittiform
- fishes: classes Agnatha, Chondrichthyes & Osteichthyes
- flagellated cells
- forelimb: humerus / radius & ulna / carpals / metacarpals / phalanges
- gastrula
- gastrulation
- genitalia
- gills, gill arches, gill filaments, gill rakers
- gizzard
- gnathostomes
- gonad (ovary or testis)
- heart
- hemocoel / hemolymph
- hermaphrodite
- heterodont: incisors / canines / cheek teeth — premolars & molars
- heterotrophic
- hindlimb: femur / tibia & fibula / tarsals / metatarsals / phalanges
- internal fertilization
- intestine, small, large
- jaw, buccal chamber, & pharynx w/ gill arches
- joints: suture; symphysis; diarthrosis — hinge; pivot; ball-and-socket — condyle / fossa / ligament
- keratin: bill / claw / hoof / feather
- kidney
- larynx
- lateral line
- limbs: plantigrade; digitigrade; unguligrade
- liver & gall bladder
- locomotion: arboreal / cursorial / fossorial / natant / saltatorial / volant
- lungs
- mandible: dentary / mandibular condyle / angular, condyloid, & coronoid processes
- mesenteries
- mesoderm
- mesodermal blocs → myotomes / sclerotomes
- mesodermal blocs & endodermal pouches → pharyngeal arches and slits
- metanephridia
- morphogenesis
- morula
- motile
- mouth
- multicellular
- muscle, circular & longitudinal
- muscle: skeletal, smooth, or cardiac
- myotomes → myomeres
- nervous tissue
- neurulation
- notochord
- operculum
- organ
- ossification: intramembranous / endochondral
- osteocytes / lacuna / central canal
- pancreas
- pectoral girdle: clavicle / scapula / coracoid
- pelvic girdle: pubic symphysis
- pharynx
- phylum (plural: phyla)
- planktonic
- post-anal tail
- proliferation

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- Protochordata: classes
Urochordata, Larvacea &
Cephalochordata
- rectal gland
- rectum
- sclerotomes → vertebrae
(segmented vertebral column)
- scrotal sac
- segmentation: somites
- siphon
- skeleton, appendicular, axial,
visceral
- skull: cranium, facial bones &
mandible
- spine
- spiral valve
- spleen
- stomach
- suspension feeding
- swim bladder
- teeth and pharyngeal teeth
- tetrapods: Amphibia & amniotes
- thoracic cavity
- thymus gland
- thyroid gland
- trachea
- umbilical cord (umbilicus)
- umbilical vein/arteries
- urethra
- urinary bladder
- urogenital opening
- urogenital papilla
- vent
- vertebrae: notochord / centrum /
intervertebral disk / neural arch /
spinal cord / neural spine /
transverse process / anterior facet
/ posterior facet
- vertebral column: cervical / trunk
— thoracic & lumbar / sacrum /
caudal
- Vertebrata: fishes & tetrapods
- vibrissae
- wings
- zygote