

Animal Phyla Dichotomous Key

1. Notochord (dorsal nerve cord, spinal cord, or vertebrate) Phylum Chordata
No Notochord (dorsal nerve cord, spinal cord, or vertebrate)go to #2
2. Radial symmetry or asymmetry (as an adult)go to # 3
Bilateral symmetry.....	go to # 5
3. Highly porous surface, no true tissues.....	Phylum Porifera
Surface is not highly porous, true tissues present.....	go to # 4
4. Can be equally divided into 5 parts; tube feet; spiny skin.....	Phylum Echinodermata
Can not be divided equally into 5 parts, possesses tentacles.....	Phylum Cnidaria
5. Possesses a segmented body.....	go to # 6
Does not possess a segmented body.....	go to # 7
6. Exoskeleton with jointed appendages.....	Phylum Arthropoda
No exoskeleton and appendages, segmented worm-like body.....	Phylum Annelida
7. Possesses a worm like body.....	Phylum Nematoda
Does not possess a worm like body.....	go to # 8
8. Possesses a foot, radula, arms and/or shell.....	Phylum Mollusca
Lacking a foot, radula and arms and has a flattened body.....	Phylum Platyhelminthe

Chordata Classes Dichotomous Key

1a.	Hair present	Class Mammalia
1b.	Hair absent	go to 2
2a.	Feathers present	Class Aves
2b.	Feathers absent	go to 3
3a.	Jaws present	go to 4
3b.	Jaws absent	Class Agnatha
4a.	Paired fins present	go to 5
4b.	Paired fins absent	go to 6
5a.	Skeleton bony	Class Osteichthyes
5b.	Skeleton cartilaginous	Class Chondrichthyes
6a.	Skin scales present	Class Reptilia
6b.	Skin scales absent	Class Amphibia

Plant Divisions Dichotomous Key

1a. No vascular tissue present	moss
1b. Vascular tissue is present.....	go to 2a
2a. Reproduction by spores.....	Ferns
2b. Reproduction by seed.....	go to 3a
3a. Seeds are on scales in a cone.....	Gymnosperm
3b. Seeds are in a fruit or flowers are present.....	Angiosperm.