

COMPARISON OF IMPORTANT ANIMAL PHYLA

PHYLUM	CHARACTER	EXAMPLE	CLASS
Echinodermata	<ol style="list-style-type: none"> 1. Radial, 5-rayed symmetry pentametric 2. Calcareous spines 3. Tube feet 	Urchin Sea star Sea cucumber Brittle star Basket star Feather star	Echinoidea Asteroidea Holothuroidea Ophiuroidea Ophiuroidea Crinoidea: deep water
Chordata	<ol style="list-style-type: none"> 1. Backbone enclosing nerve chord 2. Two pairs limbs 3. Bilateral symmetry 4. Well developed central nervous system 	Fish Shark Snake Bird Seal Whale Sea squirt	Agnatha, Chondrichthyes, or Osteichthyes Reptilia Aves Mammalia Urochordata [subphylum]
Porifera	<ol style="list-style-type: none"> 1. Skeleton of spicules and fibers 2. No tissue differentiation 	Sponges	
Cnidaria	<ol style="list-style-type: none"> 1. Radial symmetry 2. Stinging cells on tentacles 3. Mouth opening; no anus 4. Digestive cavity 	Anemone Corals Jellyfish Blue bottle	Anthozoa Anthozoa Scyphozoa Hydrozoa
Annelida	<ol style="list-style-type: none"> 1. Bilateral symmetry 2. Segmented body 3. Through gut mouth and anus 	Tube worms Crawling worms	Polychaeta Polychaeta
Mollusca	<ol style="list-style-type: none"> 1. Soft body 2. Shell 3. Muscular foot 	Moon snail Nudibranchs Clam Octopus Chiton	Gastropoda Gastropoda Bivalvia Cephalopoda Polyplacophora
Arthropoda	<ol style="list-style-type: none"> 1. Exoskeleton 2. Jointed legs/appendages 	Crab Shrimp Prawn Lobster	Crustacea Crustacea Crustacea Crustacea Arachnida [spiders] Insecta [insects]