

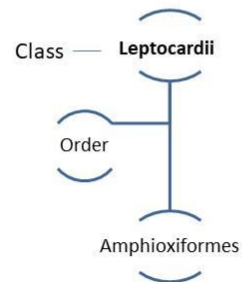
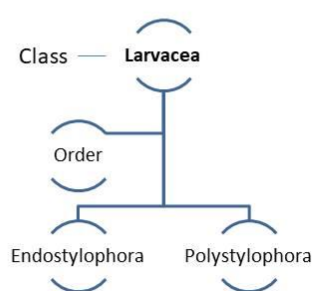
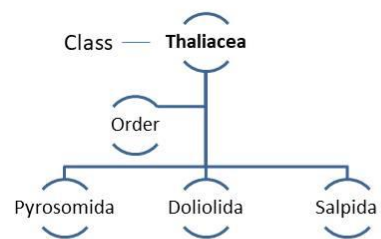
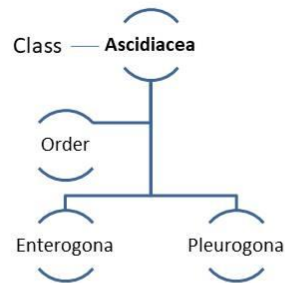
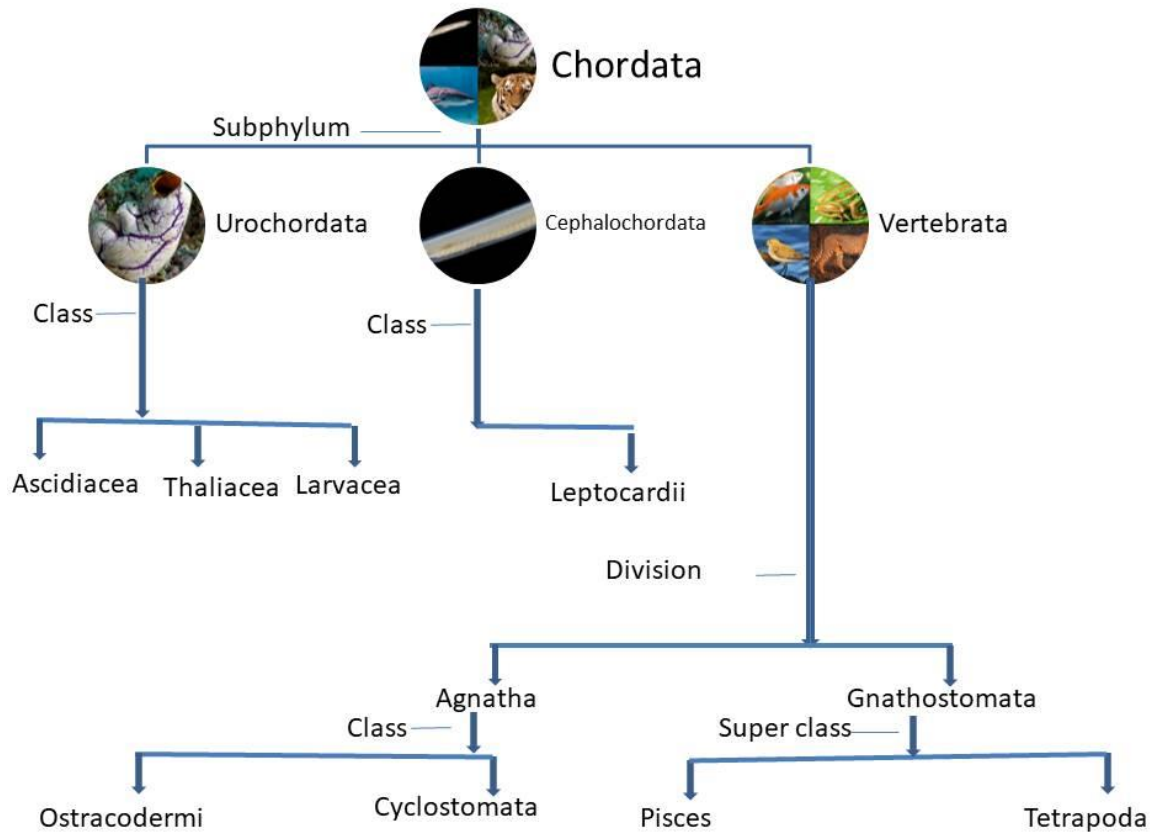


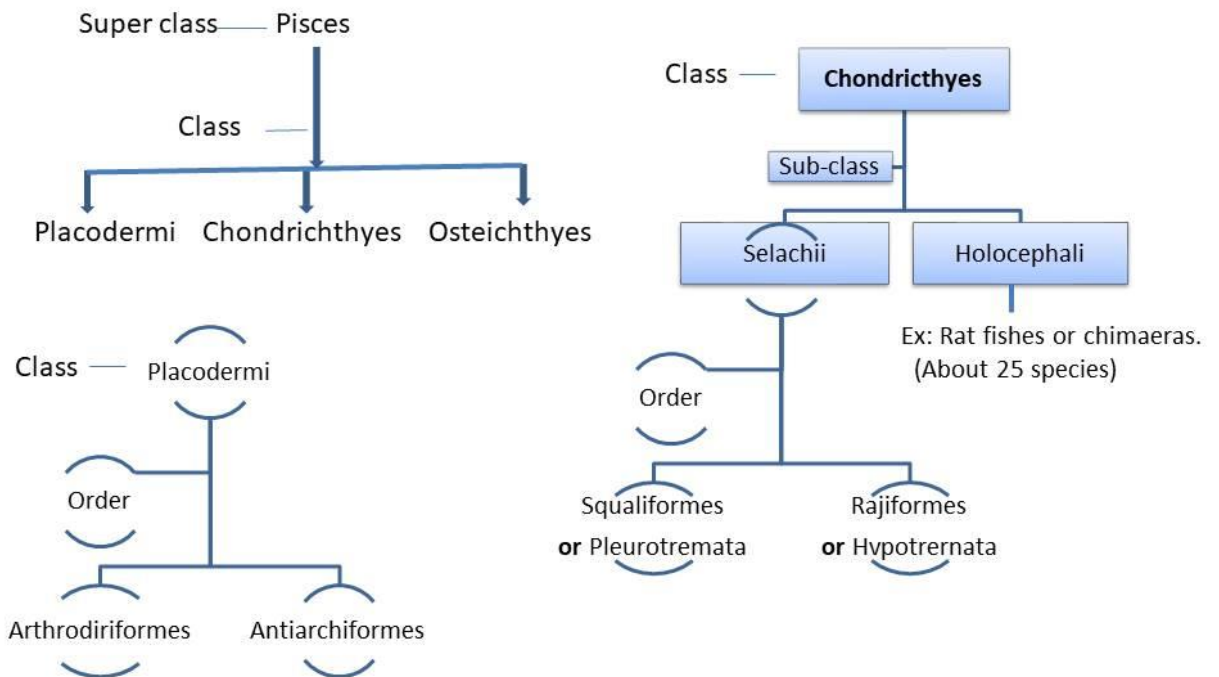
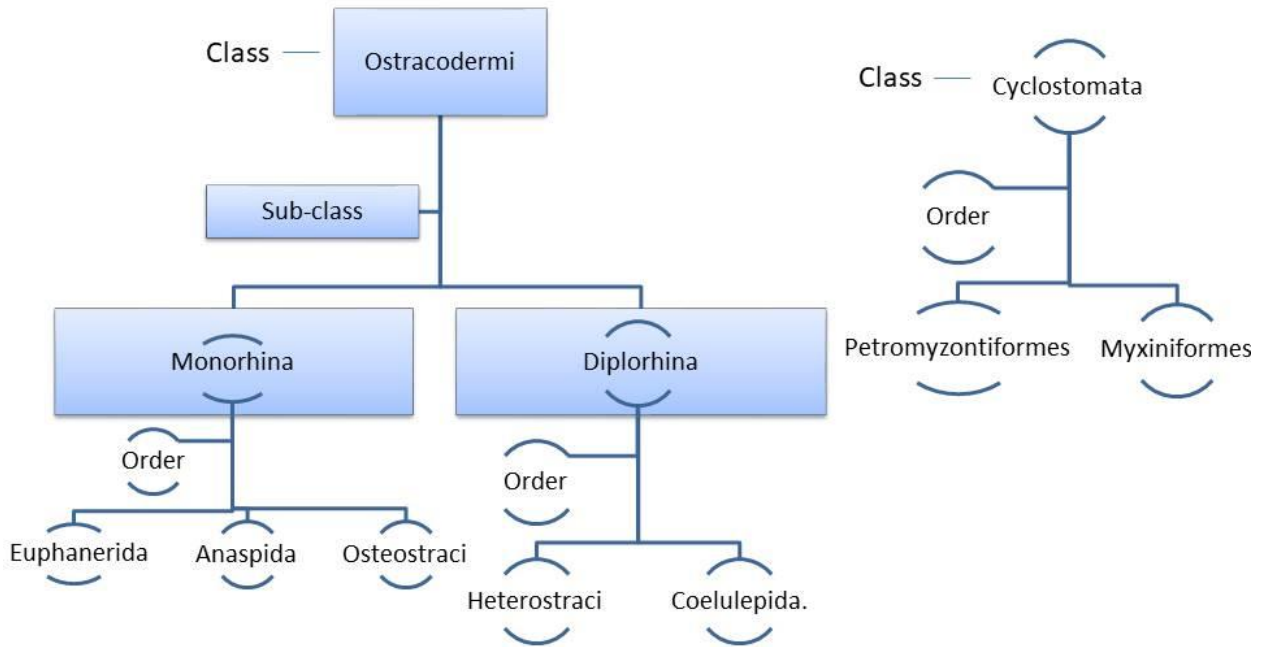
Chordate Classification

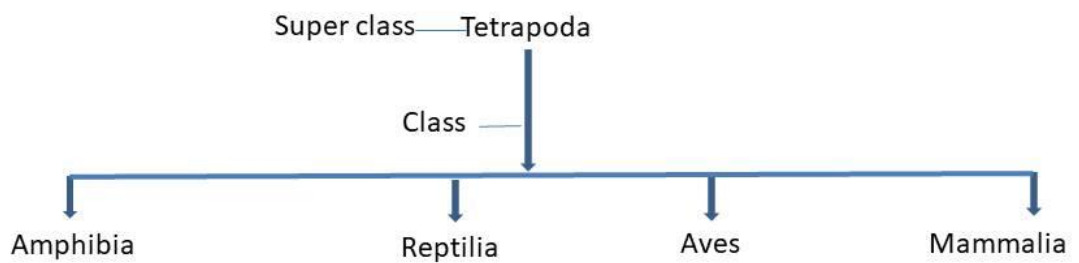
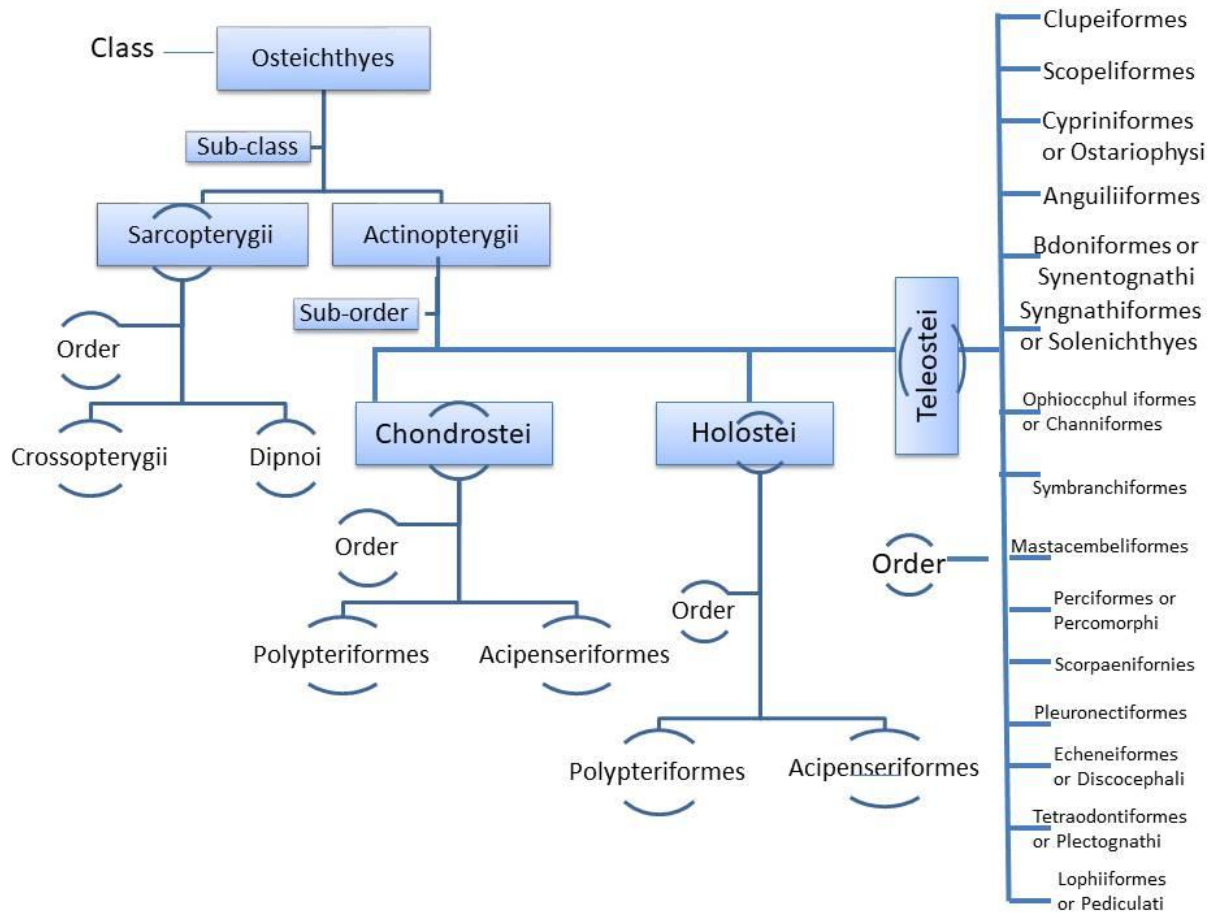
Chordates are widely diversified in size, habits and habitat. Bilaterally symmetrical, metamerically segmented, triploblastic, coelomate deuterostomes. All possess, at some stage in their life-history, supporting skeletal rod or notochord, a hollow dorsal nerve cord and paired gills or gill-slits, which may persist, change or disappear in the adults.

Phylum Chordata can be divided into two groups; Acrania (Protochordata) and Craniata (Euchordata).

Acrania (Protochordata) or Lower Chordate	Craniata (Euchordata) or Higher Chordate
<ol style="list-style-type: none"> 1. Exclusively marine. Small-sized chordates. 2. No appendages, cephalization and exoskeleton. 3. Coelom enterocoelic, budding off from embryonic archenteron. 4. Notochord persistent. No skull, cranium and vertebral column. 5. Pharynx with permanent gill-clefts Endostyle present. 6. Heart chamberless when present. No red blood corpuscles in blood. 7. Kidneys protonephridia. 8. Sexes separate or united. Reproduction asexual as well as sexual. Gonoducts usually absent. 9. Development indirect with free-swimming larval stage. 	<ol style="list-style-type: none"> 1. Aquatic or terrestrial, mostly large sized vertebrates 2. Usually 2 pairs of appendages, well-developed head and exoskeleton present. 3. Coelom schizocoelic, arising by splitting of mesoderm. 4. Notochord covered or replaced by a vertebral column. Skull and cranium well developed. 5. Pharyngeal gill-clefts persist or disappear. Endostyle absent. 6. Heart made of 2, 3 or 4 chambers. Blood contains R.B.C. 7. Kidneys meso- or metanephridia. 8. Sexes separate. Only sexual reproduction, Gonoducts always present. 9. Development indirect or direct, with or without a larval stage.







Amphibia	Reptilia	Aves	Mammalia
Subclass I. Stegocephalia (Extinct) Order 1. Labyrinthodontia Order 2. Phyllospondyli Order 3. Lepospondvli Subclass 11. Lissamphibia (living) Order I. Gymnophiona or Apoda Order 2. Urodela or Caudata Suborder L Cryptobranchoidca Suborder 2, Ambystomatoidea Suborder 3. Salamandroidea Suborder 4. Proteidae Suborder 5. Meantes Order 3. Salientia or Anura Suborder 1. Amphicoela Suborder 2. Opisthocoela	Subclass I. Anapsida Order 1. Chelonia or Testudinata Subclass II. Eurvapsida (extinct) Subclass III. Parapsida (extinct) Subclass IV. Synapsida (extinct) Subclass V. Diapsidu Order 2 Rhynchocephalia Order 3. Squamata Order 4. Crocodilia	Sub-class I. Archaeornithes Order Archaeopterygiformes Sub-class II. Neornithes Super-order 1. Odontognathae Order 1. Hesperornithlformes Order 2. Ichthyornithiformes Super-order 2. Palaeognathae or Ratitae Order 1. Struthioniformes Order 2. Rheiformes Order 3. Casuariformes Order 4. Apterygiformes Order 5. Dinornithiformes Order 6. Aepyornithiformes Order 7. Tinamiformes Super-order 3. Impennae Order 1. Splieulscelfornies Super-order 4. Neognathae or Carinatae <i>Group A. Arboreal Birds</i> Order 1. Passeriformes Order 2. Piciformes Order 3. Columbiformes	Subclass I. Prototheria Order 1. Monotremata Subclass II. Theria Infraclass 1. Metatheria Order 2. Marsupialia Infraclass 2. Eutheria Order 3. Insectivora Order 4. Chiroptera Order 5. Dermoptera Order 6. Edentata Order 7. Pholidota Order 8. Tubulidentata Order 9. Primates Order 10. Rodentia Order 11. Lagomorpha Order 12. Cetacea Order 13. Sirenia Order 14. Carnivora Suborder Fissipedia Suborder Pinnipedia Order 15. Hyracoidea Order 16. Proboscidea Order 17. Perissodactyla Order 18. Artiodactyla

<p>Suborder 3. Anomocoela Suborder 4. Procoela Suborder 5. Diplasiocoela</p>		<p>Order 4. Psittaciformes <i>Group B. Terrestrial Birds</i> Order 5. Galliformes Order 6. Cuculiformes <i>Group C. Swimming and Diving Birds</i> Order 7. Anseriformes Order 8. Coraciiformes Order 9. Gaviiformes Order 10. Podkipediformes or Colymbiformes Order 11. Procellartiformes Order 12. Pelecaniformes <i>Group D. Shore Birds and Wading Birds</i> Order 13. Charadriiformes Order 14. Ciconiiformes Order 15. Gruiformes <i>Group E. Birds of Pre)</i> Order 16. Falconiformes Order 17. Strigiformes <i>Group F. Aerial Birds</i> Order 18. Micropodiformes or Apodiformes Order 19. Caprimulgiformes</p>	
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