

Kingdom: Animalia

9 Phylum: Chordata

1. Subphylum: Conodontophoridae (conodonts)
2. Subphylum: Cephalochordata (Lancelats)
3. Subphylum: Urochordata (Tunicates)
4. Subphylum: Craniata

Subphylum: Cephalochordata

Order: Amphioxiformes

1. Family: Branchiostomatidae

Species: *Branchiostoma lanceolatum* (*Amphioxus lanceolatus*)

2. Family: Epigonichthyidae (Asymmetrontidae)

Genus: *Epigonichthys* (*Asymmetron*)

Subphylum: Urochordata

1. Class: Ascidiacea (Ascidians)  
Genus: *Ascidia*
2. Class: Thaliacea (Salps)  
Genus: *Salpa*
3. Class: Appendicularia (Larvacea)  
Genus: *Oikopleura*

Subphylum: Craniata

1. Infraphylum: Myxiniomorphi
2. Infraphylum: Vertebrata (Vertebrates)

Infraphylum: Myxiniomorphi

Class: Myxini

Order: Myxiniiformes (Hag fishes)

Family: Myxinidae

Genus: *Myxine*

Infraphylum: Vertebrata

1. Superclass: Osteostracomorphi
2. Superclass: Petromyzontomorphi
3. Superclass: Gnathostomata (Jawed vertebrata)

Super class: petromyzontomorphi

Class: petromyzontida

Order: petromyzontiformes (Lampreys)

Species: *Petromyzon marinus*

Super class: Gnathostomata

1. Class: Placodermi
2. Class: Chondrichthyes (Cartilaginous fishes)
3. Class: Osteichthyes (Bony fishes)
4. Class: Amphibia
5. Class: Reptilia
6. Class: Aves
7. Class: Mammalia

Class: Placodermi

Genus: *Coccosteus*

Class: Chondrichthyes

1. Subclass: Holocephali

Order: Chimaeriformes

Genus: *Chimaera*

2. Subclass: Euselachii (Sharks & Rays)

Infraclass: Elasmobranchii (Neoselachii)

a) Division: Selachii (Sharks)

Order: Squaliformes

Species: *Squalus acanthias*

b) Division: Batomorphi (Rays)

Class: Osteichthyes

1. Subclass: Actinopterygii (Ray finned fishes)
2. Subclass: Sarcopterygii (Lobe finned fishes)

Subclass: Actinopterygii

1. Infraclass: Cladistia (Bichirs)

Genus: *Polypterus*

2. Infraclass: Holostei (Gars, Bow fins)

a) Division: Halecomorphi

Order: Amiiiformes

Genus: *Amia*

b) Division: Teleostomorpha

Subdivision: Teleostei

*Barbus grybus* , *Barbus luteus* , *Cyprinus carpio* , *Tenuialosa ilisha*

3. Infraclass: Chondrostei (Paddle fishes & Sturgeons)

Genus: *Acipenser* (*Sturgeon*)

Subclass: Sarcopterygii

1. Infraclass: Actinistia (Coelacanths)

Order: Coelacanthiformes

Family: Latimeridae

Genus: *Latimeria*

2. Infraclass: Onychodontida

Order: Onychodontiformes

Genus: *Onychodus*

3. Infraclass: Dipnomorpha

Superorder: Dipnoi

Order: Ceratodontiformes (Living lung fishes)

1. Family: Neoceratodontidae (Australian lung fishes)

Genus: *Neoceratodus*

2. Family: Lepidosirenidae (South American lung fishes)

Genus: *Lepidosiren*

3. Family: Protopteridae (African lung fishes)

Genus: *Protopterus*

Class: Amphibia

Subclass: Lissamphibia

1. Order: Gymnophiona      *Caecilia*

2. Order: Caudata            *Necturus maculosus*

3. Order: Anura                *Rana*

Class: Reptilia

1. Order: Testudines                      Genus: *Trachemys*
2. Order: Squamata
  - a) Suborder: Sauria  
    Genus: *Mabuya*
  - b) Suborder: Serpentes  
    Genus: *Coluber*
3. Order: Rhynchocephalia              Species: *Sphenodon guntheri* & *S. punctatus*
4. Order: Crocodylia                      Genus: *Crocodylus*

Class: Aves

1. Subclass: Paleognathae
2. Subclass: Neognathae

Subclass: Paleognathae

1. Order: Struthioniformes              Species: *Struthio camelus*
2. Order: Tinamiformes                  Genus: *Tinamus*

Subclass: Neognathae

1. Infraclass: Galloanserae (geese, ducks, quails, and relatives)
2. Infraclass: Neoaves (modern birds)

Class: Mammalia

1. Subclass: Prototheria
  - Order: Monotremata  
    Species: *Ornithorhynchus anatinus*
2. Subclass: Theria
  1. Infraclass: Metatheria  
    Order: Marsupialia (Kangaroo, Koala)
  2. Infraclass: Eutheria