

## FISH

- Ectotherm
- Gills
- Fins

### Agnatha

- jawless
  - notochord remains
  - no scales (skipping)
- Ex: lamprey  
hagfish

### Chondrichthyes

- moveable jaw
  - skeleton = cartilage
  - scales
- Ex: sharks  
rays

### Osteichthyes

- scales
  - skeleton = bone
  - swim bladder
- Ex: clownfish  
salmon

# Vertebrates

## Mammals

- 4 types of glands
- highly developed endothermic
- highly developed teeth
- internal fertiliz.
- 4 chambered heart

### monotremes

- lay eggs
  - milk from sweat gland
- Ex: platypus  
echidna

### marsupials

- develop in uterus and pouch.
  - milk from mammary gland
- Ex: kangaroo  
possum

### placental mammals

- develop in uterus
  - milk from mammary gland
- Ex: cow  
people.

## AMPHIBIANS

- Moist skin
- reproduce in water (metamorphosis)
- lungs
- ectothermic

- Ex: frog  
toads  
salamanders

## REPTILES

- Limbs facing downward
- scales
- lungs
- ectothermic
- amniotic egg

- Ex: lizards  
snakes  
turtles  
crocodilians

## BIRDS

- Toothless beak
- feathers
- hollow skeleton
- endothermic
- internal fertilization
- tetrapod (2 wings, 2 legs)

- Ex: sparrow  
pelican  
Canada goose.