

CLASSIFYING ANIMALS

Vertebrates

- ▶ Animals with a Backbone or Spinal Column
- ▶ Most animals at the zoo are vertebrates.
- ▶ There are 5 main groups!



Invertebrates

- ▶ Animals without a Backbone or Spinal Column
- ▶ There are more invertebrates on earth than vertebrate on Earth! 98% of animals on earth are invertebrates.



VERTEBRATES

Mammals



Fish



Birds



Reptiles



Amphibians



MAMMALS

[HTTPS://WWW.YOUTUBE.COM/WATCH?V=FMFZIR-VTPC](https://www.youtube.com/watch?v=FMFZIR-VTPC)

[HTTP://WWW.NEOK12.COM/VIDEO/MAMMALS/ZX6D6165767B617E5B075273.HTM](http://www.neok12.com/video/mammals/zx6d6165767b617e5b075273.htm)

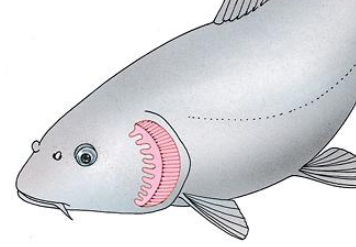


- ▶ Have hair or fur
- ▶ Give birth to live young
- ▶ Mammal mothers nurse their young milk
- ▶ Have lungs and need air to breathe
- ▶ Are warm blooded
- ▶ Fast and smart
- ▶ Are vertebrates





FISH



- ▶ Breathe underwater using gills.
- ▶ Have scales and fins that help them move underwater.
 - ▶ Are cold blooded.
 - ▶ Lay eggs to their babies.
- ▶ Not all living things that live underwater are fish!
 - ▶ Have scales
 - ▶ Are vertebrates



BIRDS

[HTTPS://WWW.YOUTUBE.COM/WATCH?V=8VL_2RF8JHU](https://www.youtube.com/watch?v=8VL_2RF8JHU)

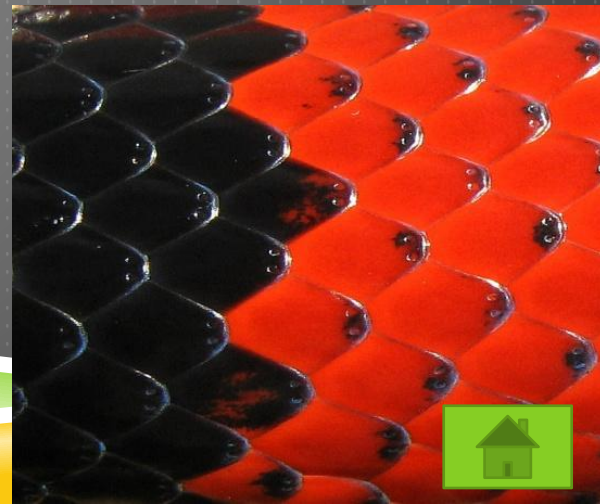


- ▶ Have feathers, two wings, four limbs, and a beak.
- ▶ Breathe using their lungs.
- ▶ Lay eggs.
- ▶ Are warm blooded.
- ▶ Most birds fly!
- ▶ Are vertebrates



REPTILES

- ▶ Have scales to cover body
 - ▶ Have lungs
 - ▶ Lay eggs on land
 - ▶ Are cold blooded
- ▶ Use the sun to keep warm
 - ▶ Do not have ears
 - ▶ Are vertebrates
 - ▶ Most hibernate
- ▶ Live on land and water
- ▶ Most live in warm places
- ▶ Some can be venomous





AMPHIBIANS



- ▶ Live in land and water
- ▶ Many undergo metamorphosis – start living underwater and using gills, and develop lungs to live in land
 - ▶ Are cold-blooded
- ▶ Use the sun to keep warm
 - ▶ Lay eggs in water
 - ▶ Have moist skin
 - ▶ Have webbed feet
- ▶ Breathe through the skin
 - ▶ Are vertebrates
- ▶ Amphibians mean double life
 - ▶ Camouflage
 - ▶ Some can be poisonous



INVERTEBRATES

Arthropods



Worms



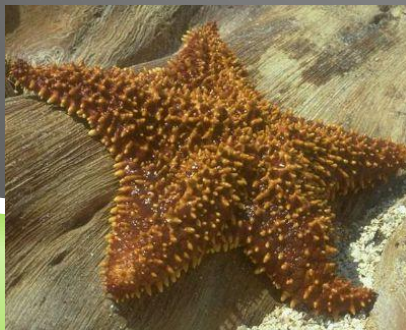
Sponges



Coelenterates



Echinoderms



Mollusks



ACTIVITY

- ▶ Create your own animal!
- ▶ Write a “Fact Sheet” about your animal (5 characteristics).
- ▶ Draw a picture.
- ▶ Write a story about your animal.

