

Science Lesson 1

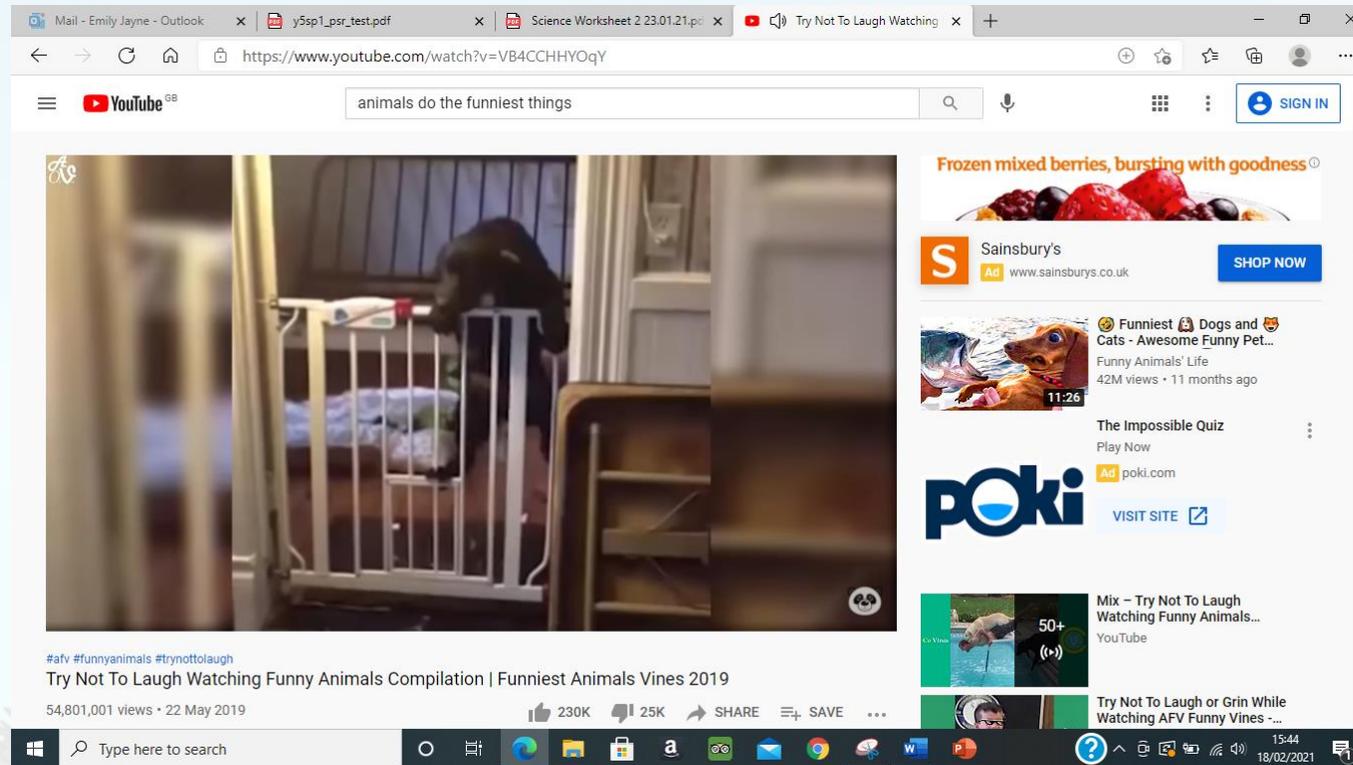
Living Things and Their Habitats

The background is a solid pink color. It features several light pink stars of varying sizes scattered across the upper half. In the lower half, there are several overlapping, wavy, horizontal bands in shades of pink and magenta, creating a layered, abstract effect.

Hook

Animals do the funniest things!

<https://www.youtube.com/watch?v=VB4CCHHYOqY>



Mail - Emily Jayne - Outlook x y5sp1_psr_test.pdf x Science Worksheet 2 23.01.21.p... x Try Not To Laugh Watching x +

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Recap

Group the animals in your own way.



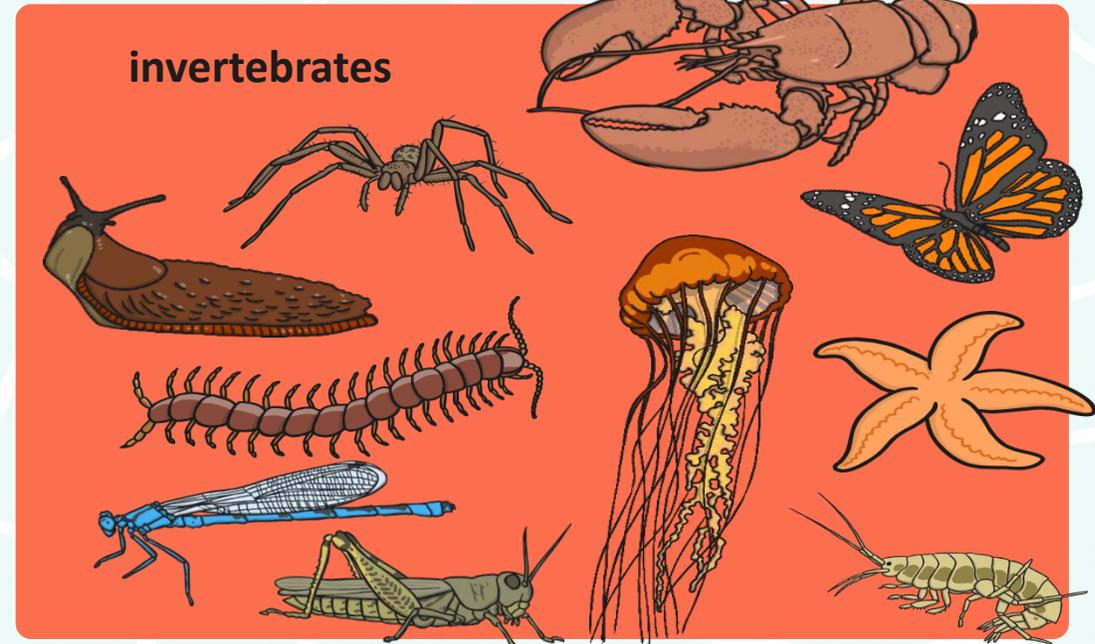
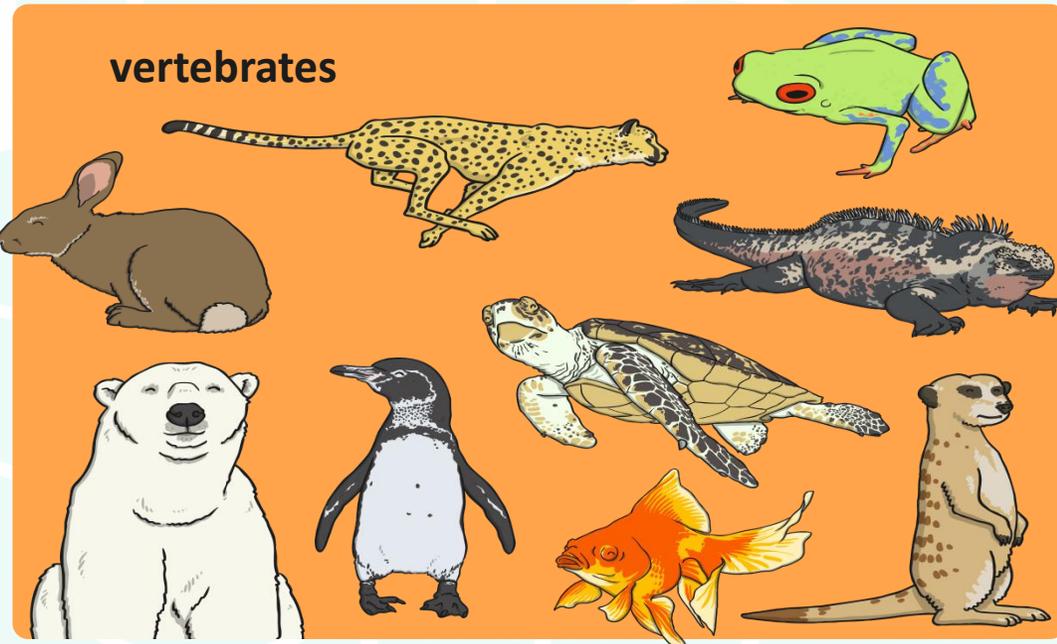
Animal Groups

Did anyone group the animals using the classification groups you learnt in Year 4?

Did you split them into the same groups as you are about to see on the next few slides?



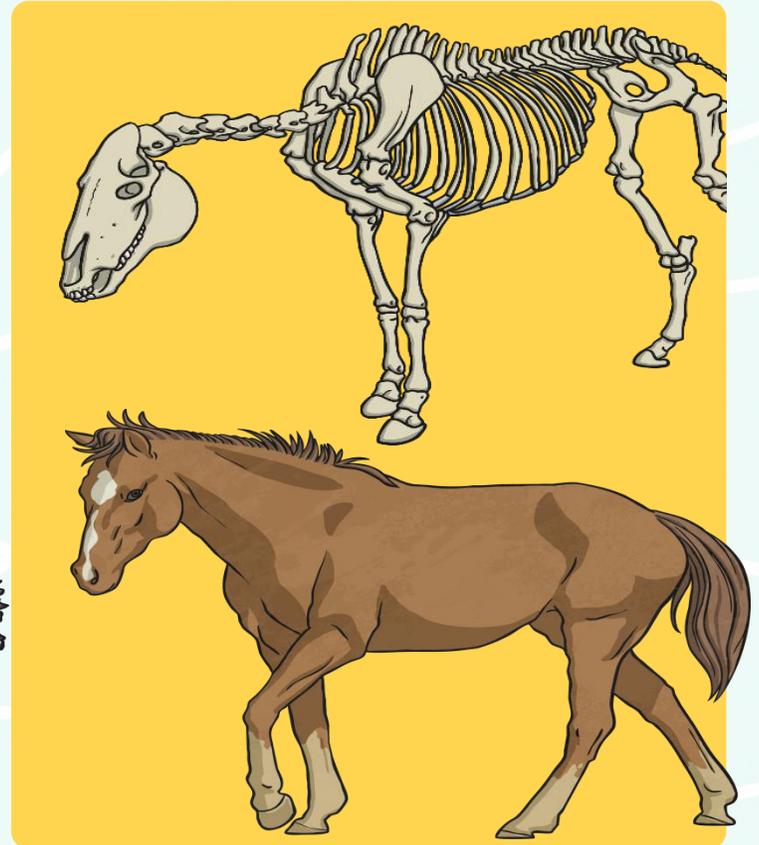
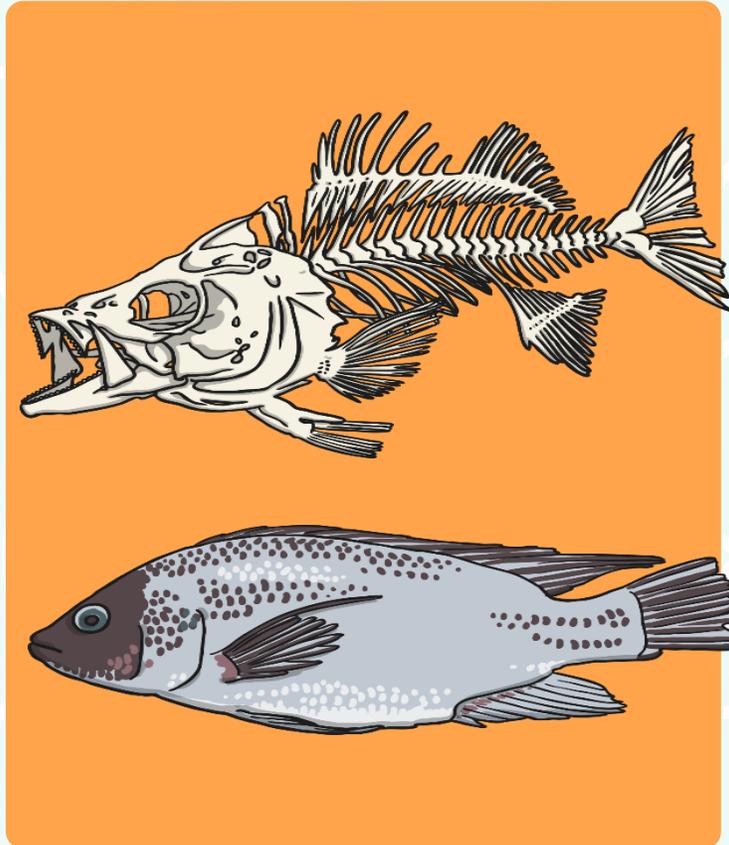
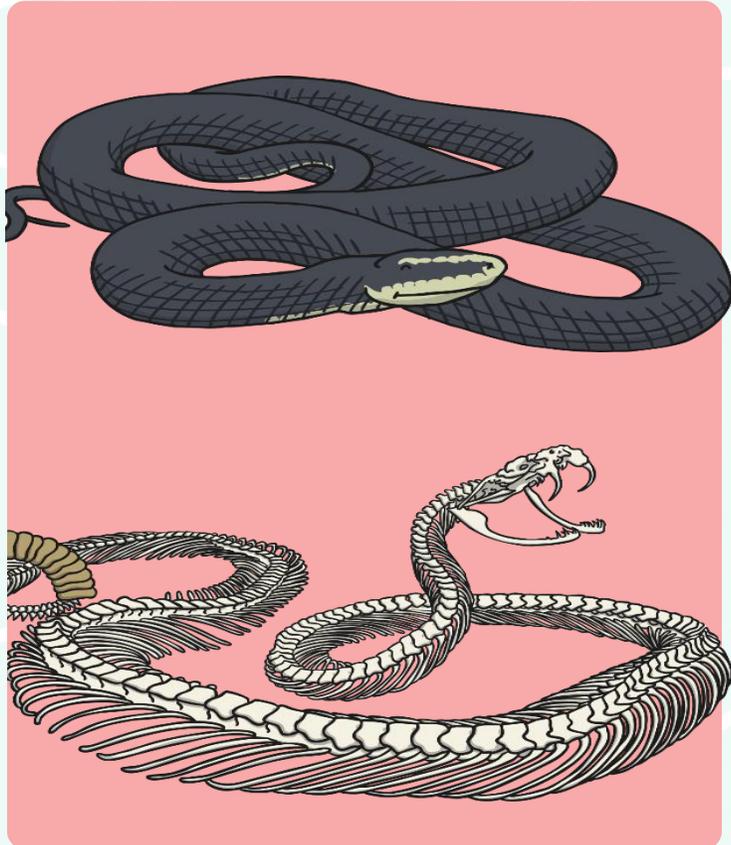
Vertebrates and Invertebrates



When looking at animals, scientists usually split them into two groups: **vertebrates** (animals **with** a backbone) and **invertebrates** (animals **without** a backbone). Did anyone split the animals into vertebrates and invertebrates

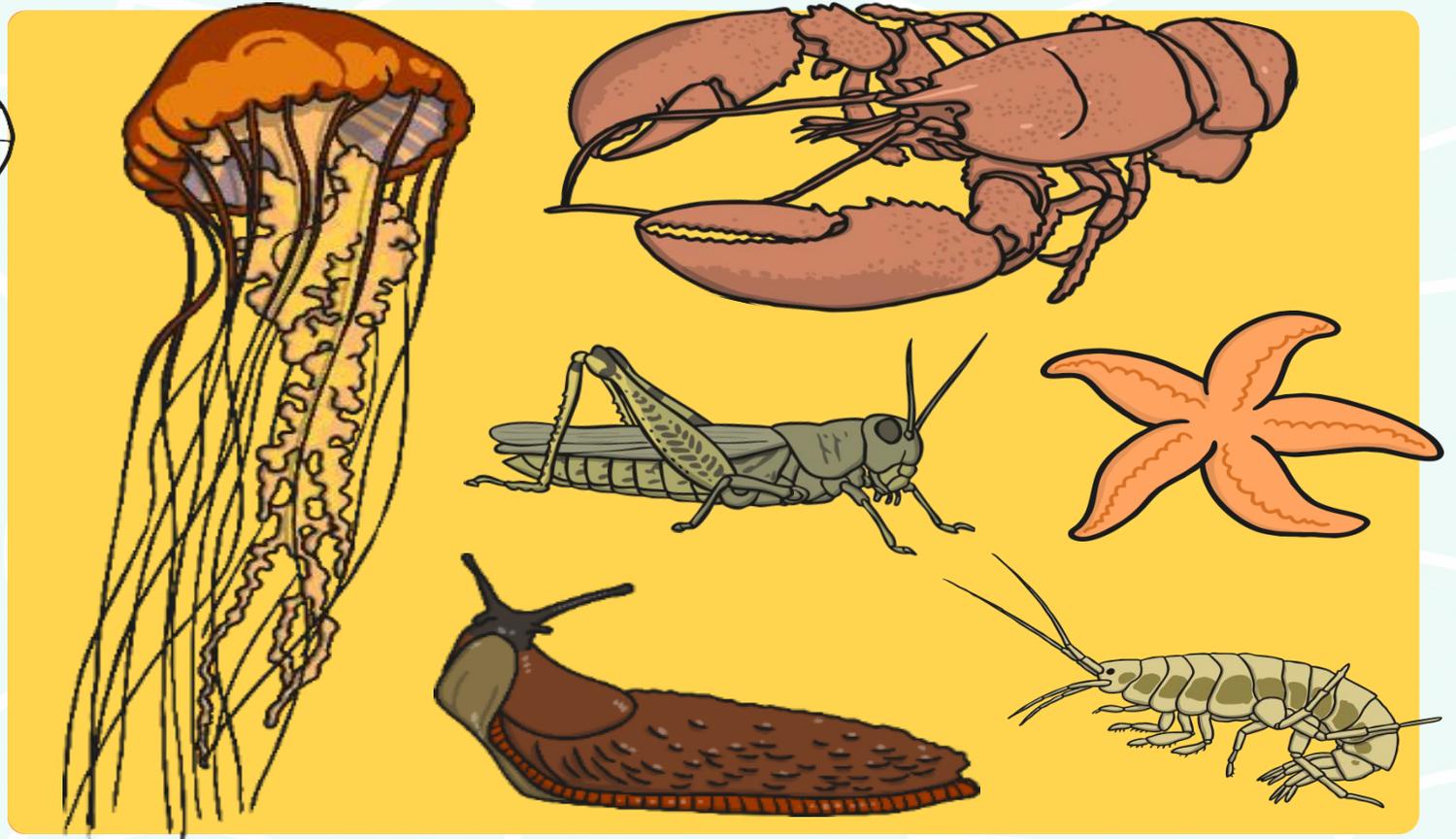
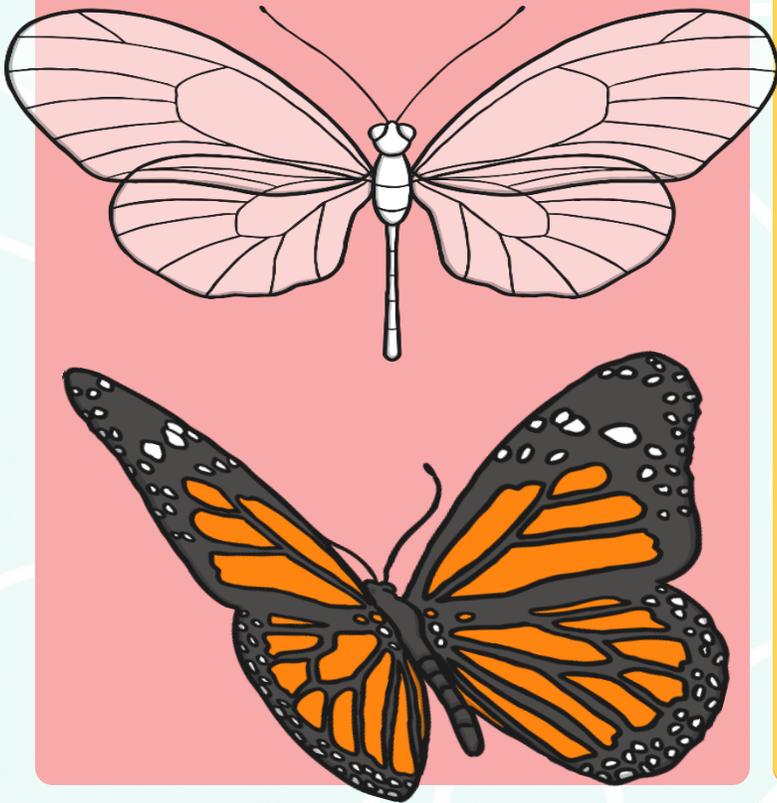
Vertebrates

Vertebrates are animals with a backbone. They have a hard skeleton made of bone. It holds their body up and gives them shape.



Invertebrates

Invertebrates do not have a backbone, or a skeleton made of bones. Many have a hard shell outside their bodies to protect them. Others have soft, flexible bodies.

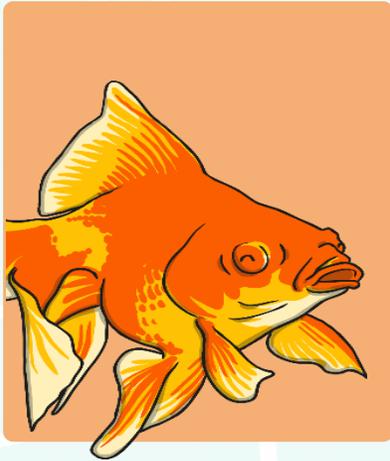


Animal Groups

Vertebrates can be separated into five broad groups:



mammal



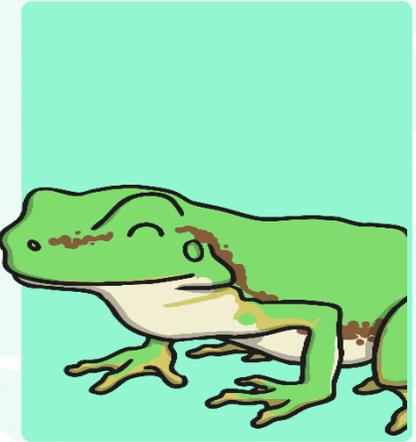
fish



reptile



bird



amphibian

<https://www.youtube.com/watch?v=ITrRMiQB8g4>



Animal Classification for Children: Classifying Vertebrates and Invertebrates for Kids - FreeSchool

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Mammals

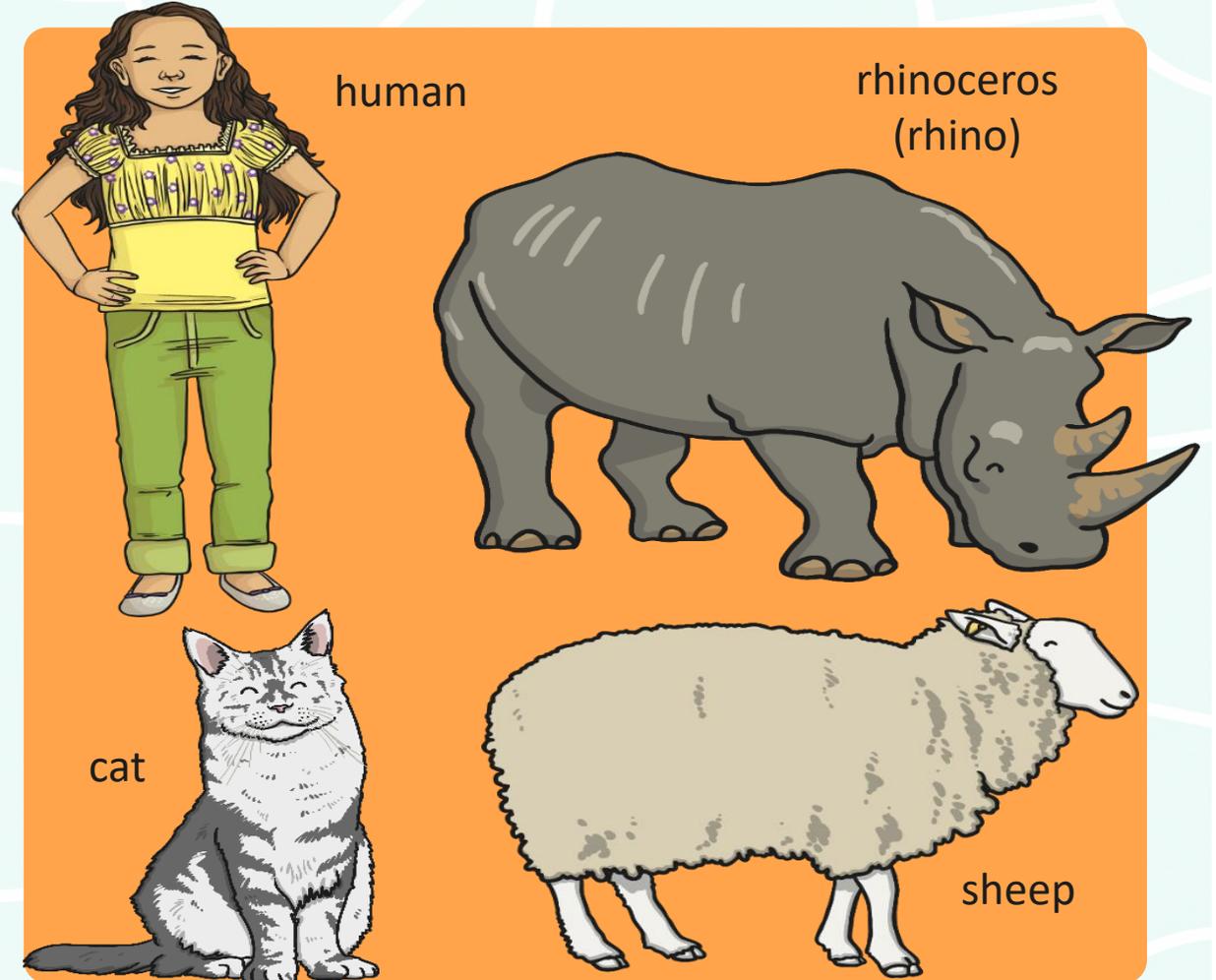
Mammals have warm blood, and have hair or fur on their bodies.

Mammal babies are born alive.

The mothers feed their babies milk.

What do animals of this kind have in common?

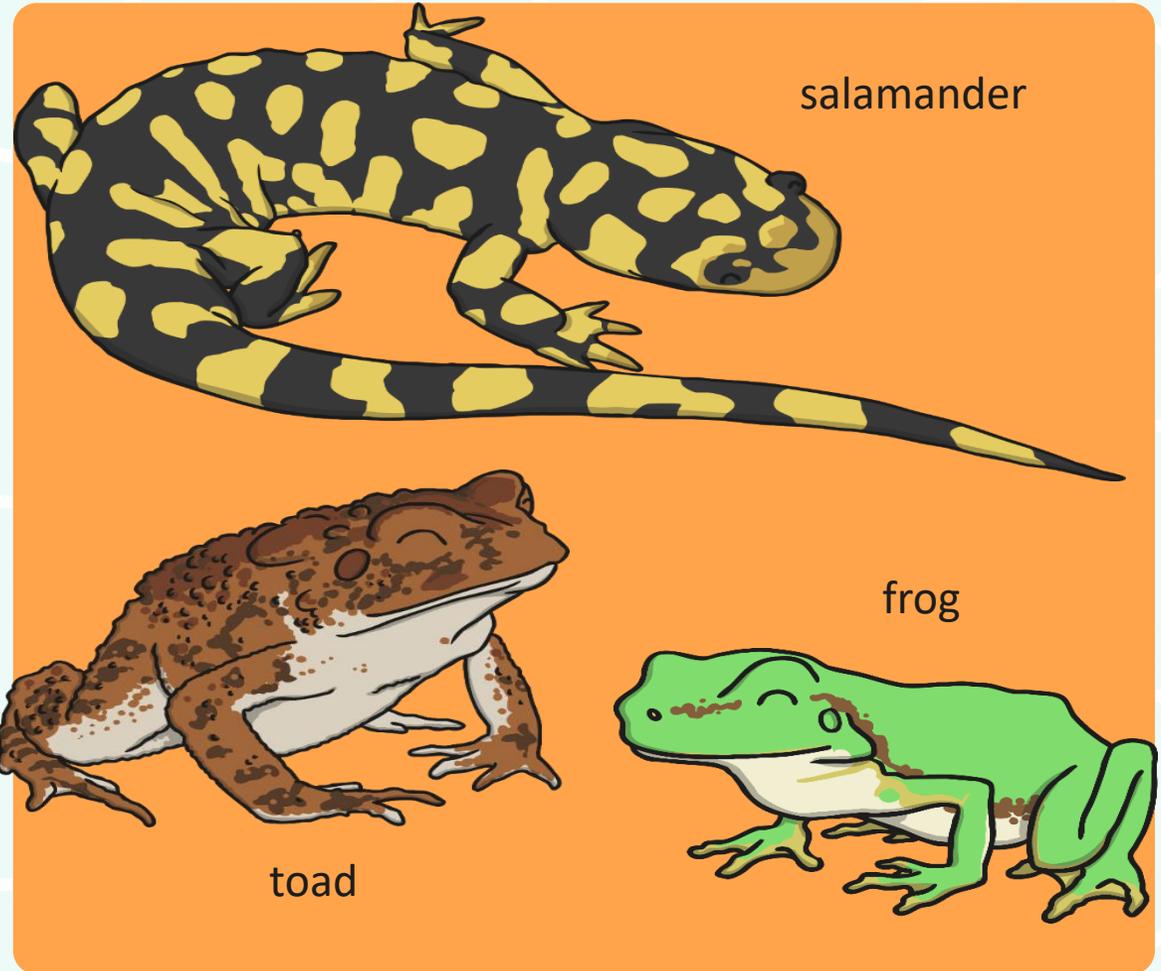
Can you think of any differences between them?



Amphibians

Amphibians live on land and in water.
They are cold-blooded.
They have gills when they are young.
They have smooth skin.
They lay their eggs in water.

What do animals of this kind have in common?
Can you think of any differences between them?



Birds

Birds have a beak, wings, feathers and 2 legs.

They lay eggs on land.

They have warm blood.

What do animals of this kind have in common?

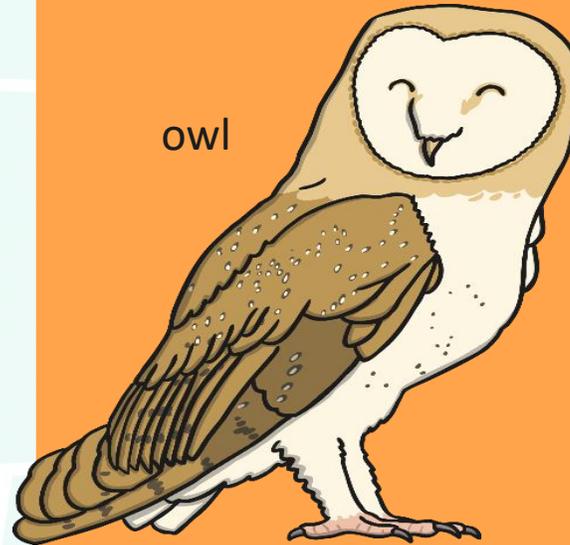
Can you think of any differences between them?



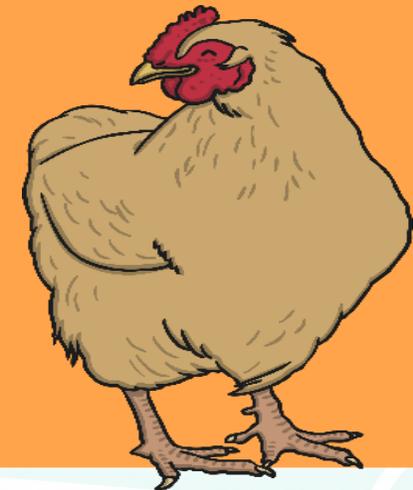
peacock



penguin



owl

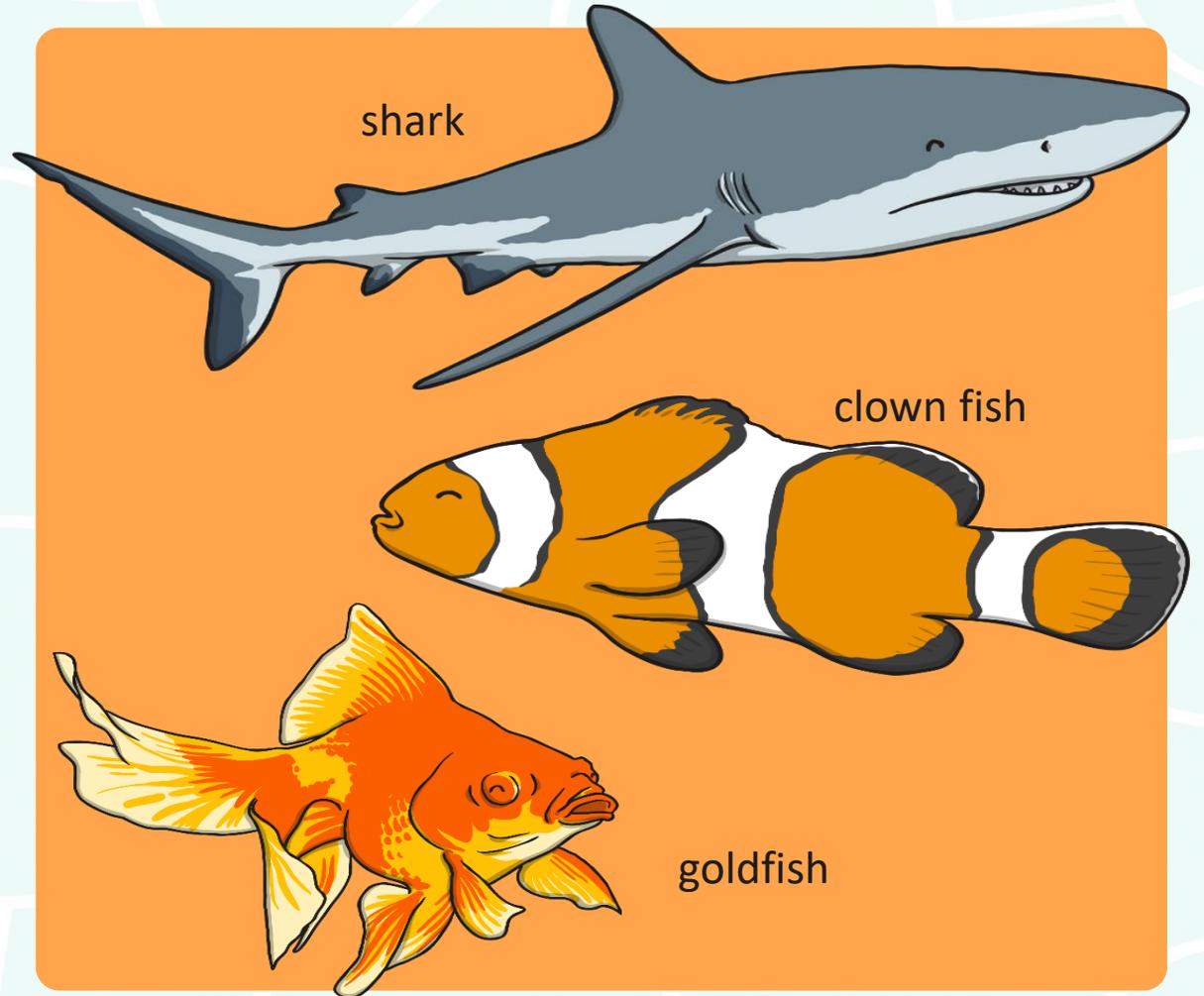


chicken

Fish

Fish live in water.
They have fins instead of legs and gills instead of lungs.
They lay their eggs in water.
They have cold blood and scaly skin.

What do animals of this kind have in common?
Can you think of any differences between them?



Reptiles

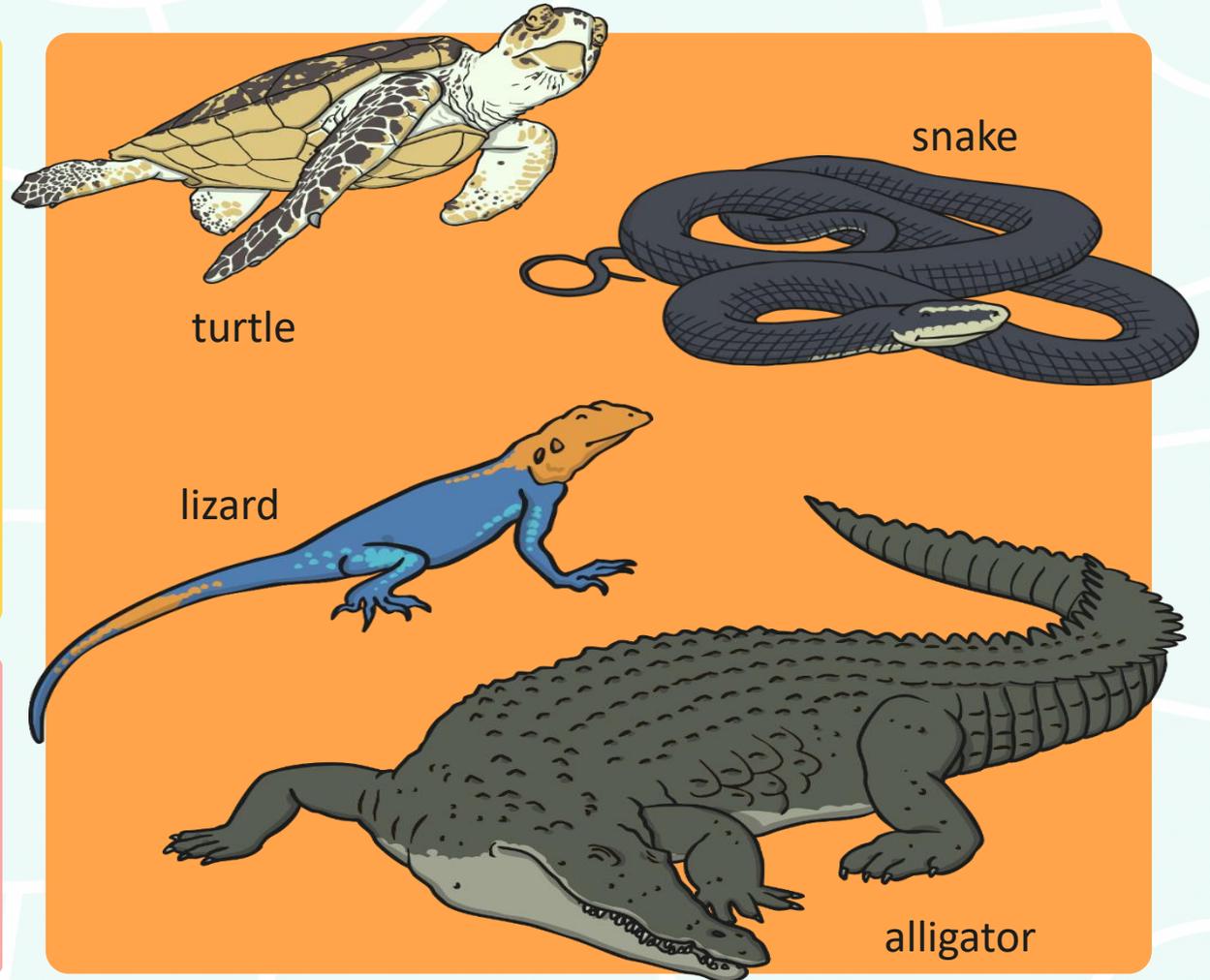
Some reptiles live on land, and some in water. They have lungs that breathe air.

They have scales and are cold-blooded.

They lay their eggs on land.

What do animals of this kind have in common?

Can you think of any differences between them?



Find facts about each type of vertebrate on your piece of paper...

Date: _____

Science: Living things and their habitats
Can I find facts about different types of vertebrates?

Mammals

Reptile

Fish

Bird

Amphibian

Read the facts on the different tables and fill your sheet.

Game time: Who am I?

- Pick an animal out the bag
- Act out the animal
- Your partner needs to guess the animal and tell you which group it belong to.

