

# How can we tell a dog from a spider?

## Living Things and Their Habitats Y4

 Key scientist – Roger Arliner Young




She was the first African-American woman to earn a Ph.D. in zoology, and her research on how salt affects the cells of marine animals helped scientists understand and classify different types of sea creatures.

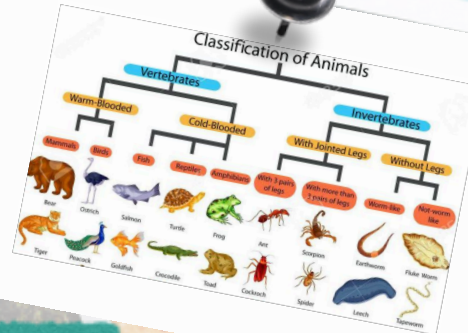


## Key vocabulary

adapted	changed to suit an environment
amphibian	Animals that live both on land and in water during different stages of their life.
bird	An animal that has feathers, wings and a beak
characteristic	a feature or quality which belongs to a species and can be used to identify them
classify	to arrange things in classes or groups according to shared qualities or characteristics
classification key	A series of questions to help identify a species
fish	Animals that live in water, have gills and fins, lay eggs and usually have scales.
invertebrate	an animal without a backbone, or spine
mammal	An animal which births live young and has hair or fur on its skin.
reptile	Animals with scaly skin that lay eggs and often live on land.
species	a grouping of animals with similar characteristics
vertebrate	an animal with a backbone, or spine

## Key scientific concepts

- Asking questions 
- Recording data 
- Observing and measuring 



## Key learning

- Recognise that living things can be grouped in a variety of ways.
- Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment.

## Scientific enquiry types

Identifying and classifying 

## Living Things and Their Habitats – Our Learning Journey

### Year 1/2

- Identify living things and what they need
- Identify and describe different habitats
- Use simple food chains to identify food sources

### Year 3/4

- Classify a variety of different living things
- Recognise environmental dangers to living things

### Year 5/6

- Life cycles of types of animals
- Classify different plants and animals based on specific characteristics



## Ethics

Can zoos be ethical?