Key knowledge

Organisms are classified into five kingdoms (large groups). The two main ones are:

Animal Kingdom - Organisms who hunt or seek out food. **Plant Kingdom** - Organisms that create their own food using

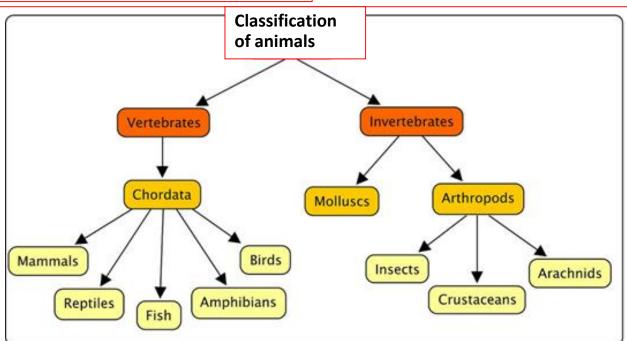
Other living things such as fungi and microorganisms are organised into other kingdoms.





Classifying plants and animals Year six science





pioneer born in 776AD. He started by selling fish and had a very curious mind. He went on to work on animal classification, food chains and evolution and is often thought as the father of the theory of evolution.

Al-Jahiz was a Muslim





Carl Linnaeus was a taxonomist who lived in the 18th century. He classified animals and plants. He gave all animals and plants a twoword latin name so that all scientists could identify them.

insects

A small animal that has six legs, 3 body segments and generally one or two pairs of wings eg butterflies, beetles, bees, moths, flies



A small animal that has eight legs and a body formed from two segments eg spiders



crustaceans

Mostly live in water with a hard shell and a segmented body eg prawns, lobster

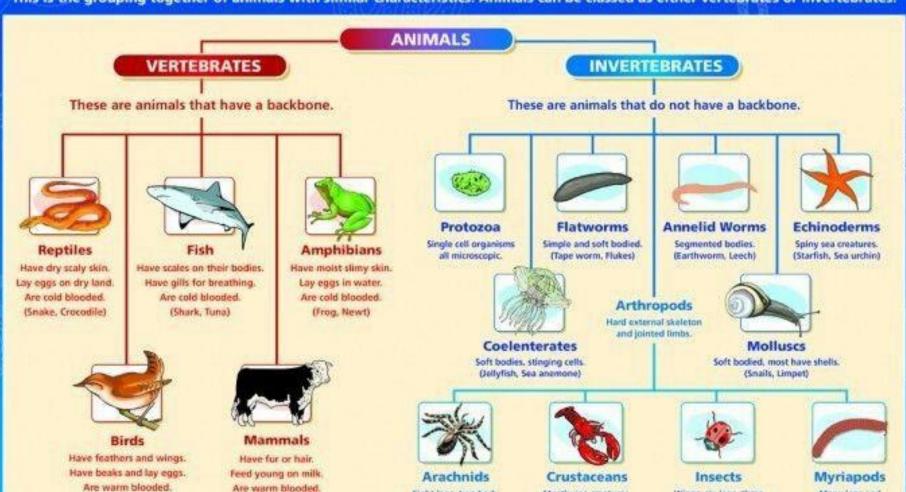


Vovvocabulary

Key vocabulary	
taxonomy	The part of science focused on classification
taxonomist	A scientist who sorts living organisms.
classification classified	Grouping something using its features
characteristic	Characteristics are features of living things which help scientists classify them
Dichotomous questions	Have only two possible answers eg yes or no
distinguish	Recognise a difference
organism	Living thing
Vertebrate or chordata	An animal with a backbone
invertebrate	An animal with no backbone
arthropods	An invertebrate with a jointed body with a skeleton on the outside of its body
micro-organism	Small living things including bacteria and yeast
Exo skeleton	Hard outer casing which supports and protects the body of some invertebrates.
key	A key is a series of question about the characteristics of living things. A key is used to identify a living thing or decide which group it belong to by asking dichotomous (yes or no) questions.

CLASSIFICATION OF ANIMALS

This is the grouping together of animals with similar characteristics. Animals can be classed as either vertebrates or invertebrates.



Eight legs, two body

parts, no antennae.

(Spider, Scorpion)

(Wren, Swan)

(Cow, Human)

Mostly sea creatures.

Many logs and two

sets of antennae.

(Crab. Lobster)

Wings, six legs, three

body parts, one pair

of antennae.

(Bee, Ladybird)



Many legs and

body segments.

(Centipede, Millipede)

Classifying Animals

Vertebrates

Vertebrates have a backbone

Invertebrates

Invertebrates don't have a backbone

Mammals

Warm Blooded

ostrich

Birds have bodies overed in feathers and

Cold Blooded

Crustaceans have a hard, external shell that protects their body.

Crustaceans Echinoderms



















