

## Alder Coppice Primary School — Knowledge Organiser

**Subject: Science**

**Year: 6**

**Unit: Classification**

**Links to:** Y5 Plants

### What I Should Already Know:

That animals can be sorted into vertebrates and invertebrates.

The names of common plants and animals.

The life cycles of plants and animals.

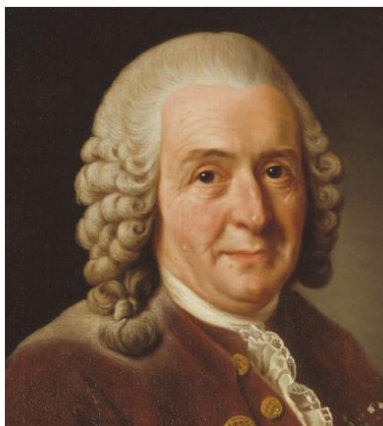
### Skills & Enquiry:

- How are living things classified?
- How does the Linnaean system work?

### What I should know by the end of the Unit:

- How plants and animals can be classified.
- How the Linnaean system works.
- About the life of Carl Linnaeus.
- That microbes can be dangerous and helpful.

**Carl Linnaeus 1707 – 1778**



### Unit Specific Vocabulary:

**Amphibian** – a vertebrate that can live on land and in water

**Arachnid** – An invertebrate with 8 legs and an exoskeleton

**Annelid** - characterised by segmented bodies

**Bacteria** – Microbes with ability to release powerful toxins

**Bird** – A vertebrate with feathers and wings

**Carl Linnaeus** – a famous Botanist

**Classification key** – a series of questions to determine an organism's physical characteristics

**Crustacean** – Lives in water with more than 3 pairs of legs

**Echinoderm** – Creatures with spiny skin only found in water

**Fish** – Cold blooded animals that breathe through gills

**Fungi** – A microbe that eats decaying material or lives on a host

**Insect** – small invertebrates that can survive in extreme environments

**Invertebrate** – Living things without a backbone

**Linnaean system** – A classification system for all living things designed by Carl Linnaeus

**Mammal** – Gives birth to live young and feeds them milk

**Mollusc** – Invertebrates found on land or in the ocean

**Non-vascular** -Absorbs water with tiny hairs, usually found in damp places.

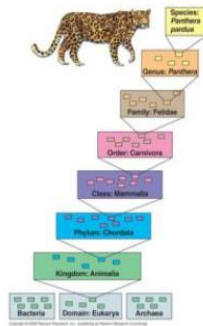
**Protozoa** – A huge group of microbes found everywhere

**Reptile** – Lives in a warm climate and can easily retain moisture

**Vascular** – Plants with roots and a stem to transport water

## Key Facts:

Kingdom  
Phylum  
Class  
Order  
Family  
Genus  
Species



grizzly bear black bear giant panda red fox squirrel snake sea star



**Kingdom Animalia**



**Phylum Chordata**



**Class Mammals**



**Order Carnivora**



**Family Ursidae**

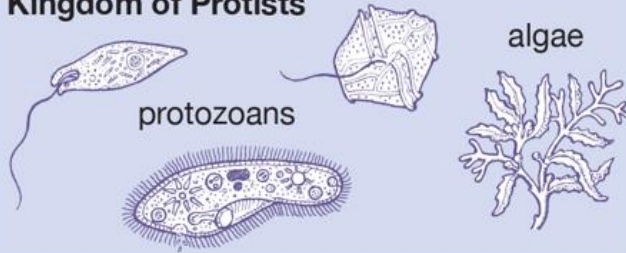


**Genus *Ursus***

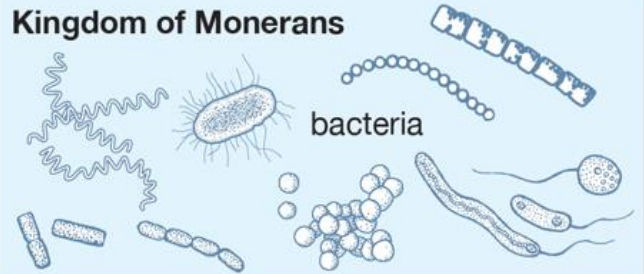


**Species *ursus arctos***

### Kingdom of Protists



### Kingdom of Monerans



### Kingdom of Fungi



mushrooms



yeast



### Kingdom of Plants



broad-leaved tree

conifer tree



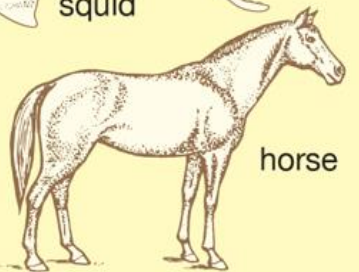
### Kingdom of Animals



insect



squid



horse

