



## Year 6 Science Knowledge Organiser - Biology

### Evolution and Inheritance + Living Things and Their Habitats

#### What do I need to know and be able to do:

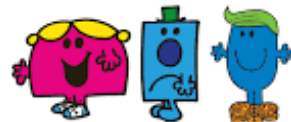
- Recognise how living things have changed over time.



- Identify how animals and plants have adapted to their environment, e.g. camel has many adaptations including a double layer of thick long eyelashes to prevent sand from going in their eyes.



- Describe how we can classify animals according to characteristics both similar and different.
- Use classification tools to identify organisms
- Recognise that fossils provide information about living things that inhabited the earth millions of years ago.
- Know that Living things produce offspring of the same kind but normally offspring vary from their parents.



#### What I have remembered from previous years:

- Organisms live in habitats which they are suited to and provide them with their basic needs.
- Using food chains describe how animals obtain their food from other plants and animals
- That different organisms have differing life cycles, e.g. humans, frogs, birds.
- I can describe the life cycle of a human.
- How to group animals in a variety of ways, e.g. animals that fly.

#### Vocabulary

**Organism** = A living thing, e.g. all plants and animals.

**Adaptation** = A characteristic of an organism that helps it survive in its habitat.

**Characteristic** = A feature of an organism, e.g. a characteristic of all birds are their feathers.

**Inherited Characteristic** = A characteristic that is passed from a parent to its offspring.

**Classification** = Grouping similar organisms together by looking at their features

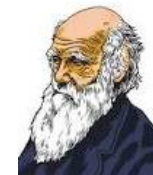
**Charles Darwin** = A scientist who developed the idea of evolution.

**Evolution** = How living things change over time (a very long time.)

**Habitat** = Where an organism lives.

**Variation** = Differences between living things.

**Offspring** = The children of a living thing



**Fossil** = The remains or impression of a prehistoric plant or animal embedded in rock and preserved in petrified form.