Prior Learning: To name living things in a range of habitats, giving key features that helped identify them. To give examples of how an environment may change both naturally and due to human impact. To use classification keys to identify unknown plants and animals.

**Knowledge Organiser**

Year 5: Living things and their habitats

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VOCABULARY

**life cycle-** course of events that brings a new living thing into existence.

**fertilises-** to develop a new individual by introducing the male sperm to the female egg

**reproduce-** produce offspring by a sexual and asexual process

**sexual reproduction-** method of producing plants and animals in which male sperm and a female egg join

**asexual reproduction-** method of producing new offspring with a single parent.

**sperm-** male reproductive cell.

**egg-** female reproductive cell.

**live young-** when animals give birth to live offspring (do not lay eggs)

**metamorphosis-** to process of transformation from an immature form to an adult

**gestation-** the time it takes for a baby to develop inside the mother’s body.

Animal reproduction and life cycles

A life cycle is**the different stages of life for a living thing.** All animals, including humans, have a life cycle as all animals are born, grow, reproduce and die. In science, it’s usually displayed as a circular diagram showing each stage in words and/or pictures.

English naturalist, geologist and biologist, known for his contributions to the science of evolution. He transformed the way we understand the natural world.

He gave us an insight into diversity of life on Earth and its origins.

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Science Capital (Scientists)

David Attenborough

1926- present

Jane Goodall

1934-present

English conservationist whose ground-breaking research on chimpanzees has shaped our understanding of what it is to be human.



English broadcaster and naturalist. Best known for his educational tv programmes.





**Key Knowledge:** Describe the differences in life cycles of a mammal, an amphibian, an insect and a bird. Describe the life process of reproduction in some plants and animals

Sexual reproduction in plants

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Asexual reproduction in plants