

Working Scientifically Skills



WHO?

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Year 1
Living Things

Biology



Vocabulary

| | | | |
|-----------------------|---|---------------------|---|
| life processes | These are the things that all living things do. They move, breathe, sense, grow, make babies, get rid of water and gain energy from food. | never living | If something is made of metal, plastic or rock, they were never living. They never had the life processes. |
| living | Living things have all the life processes. | food chain | A food chain shows how each animals gets its food. They are one of the ways that living things depend on each other to stay alive. |
| dead | Dead were once living. They did have all the life processes but do not now. | habitat | A habitat is the natural place a living thing lives. A habitat provides living things with all they need to survive, such as food, shelter and water. |

WHAT?

Living things have similar basic life processes

- M**ovement
- R**espiration
- S**ensitivity
- G**rowth
- R**eproduction
- E**xcretion
- N**utrition








A **camel** lives in the **desert** because it can **survive** without water, it can store **fat** and it has long **eyelashes** to keep the sand out.

A **penguin** lives in **Polar Regions**. It has **thick feathers**, layers of **fat** and a **beak** to catch fish. It also has small **wings** for swimming.

A **reef shark** lives in the **ocean**. It has **gills** to breathe under the water and a **long** streamlined body to glide through the water.






Microorganisms are very **tiny living things**. Microorganisms can be found **all** around us. They can live **on** and **in** our bodies, in the **air**, in **water** and on the **objects** around us.

Mould is the common word for any fungus that grows on food or other materials.

Penicillium fungus is used to make the **antibiotic penicillin**.

Bacteria are single celled microorganisms, which are found all over **Earth**.

Microhabitats are very **small** habitats (e.g. in grass & on rotting wood)

A **large habitat** can have many **microhabitats**

'**Minibeasts**' live in microhabitats

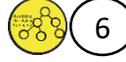



A **habitat** is a place where an animal **lives** that provides **specific shelter/food/water/safety/temperature** so they can survive.

Many animals have **special** features or skills to help them survive in their habitat. They are **adapted** to live there.

Some living things couldn't survive in a different habitat.






A **food chain** shows what eats what. Living things have different labels depending where they are in the food chain A **predator** is an animal that **hunts, kills** and **eats** other animals for food. A **producer** is the living thing that **produces** its own food, rather than **consuming** another living thing. **Prey** is an animal that is hunted by another for food. Prey are **hunted** by predators.