

# KSI Science Knowledge Organiser

## Living Things and their Habitats

All things can be split into three groups

- Alive
- Were alive but now dead
- Never lived







### How to tell if something is alive.

Move	<ul style="list-style-type: none"> <li>• Animals can run</li> <li>• Birds can fly</li> <li>• Flowers turn towards light</li> </ul>
Reproduce	<ul style="list-style-type: none"> <li>• Animals have babies</li> <li>• Plants have seeds which turn into new plants.</li> </ul>
Nutrition	<ul style="list-style-type: none"> <li>• Humans get energy from food.</li> <li>• Animals eat plants or other animals</li> <li>• Green plants make their own food.</li> </ul>
Growth	<ul style="list-style-type: none"> <li>• Living things get bigger/older</li> <li>• Babies grow into adults</li> <li>• Seedlings grow into bigger plants</li> </ul>

### Habitats

Most living things live in an environment they are suited to. This their habitat. Habitats can be very different. They can be hot or cold, wet or dry, on the ground, underwater or up high. Animals live in habitats that suit them best.

### Examples of animals and plants in their habitats

<p>Cold habitat</p> 	<p>Polar bear - thick white fur to keep warm and camouflaged in the snow.</p>
<p>Hot habitat</p> 	<p>Desert rat - large ears to help lose body heat and to help them hunt at night.</p>
<p>Dry habitat</p> 	<p>The cactus - long roots find water that is deep in the ground. Thin needle leaves don't lose water.</p>
<p>Wet habitat</p> 	<p>Otter - eyes and nostrils can close underwater. Feet are webbed to help move in water.</p>

### Key Vocabulary

<b>habitat</b>	The natural area or place where an animal or plant lives.
<b>environment</b>	The conditions around something.
<b>desert</b>	An area covered by sand and rocks, with very little water or plants.
<b>woodland</b>	An area where many trees grow, which is home to many animals.
<b>microhabitat</b>	A small habitat which is slightly different from its surrounding habitat.

### Food Chains

Animals get their food from plants and other animals. A food chain shows how energy from food is passed along. Only green plants make their own food.

