

SMRP Science Knowledge Organiser for Year 2: Food Chains



Science Knowledge

What is a food chain?

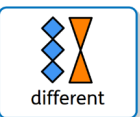
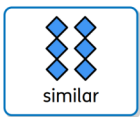
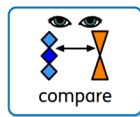
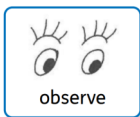
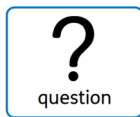
The animals and plants in any habitat are linked together through **food chains**. Food chains show what animals eat. Here is an example...

Energy passes from one animal to another as they eat plants or one another. This flow of energy from one living thing to another is called a **food chain**.

All living things need energy and they get this energy from **food**. A **food chain** shows how **energy** is passed between plants and animals. Animals that eat other animals are called **predators**. The animals they eat are called **prey**.

Without energy from food, we could not live. This applies to every living thing on earth. Microbes, beetles, mice, hawks, flowers, salmon, grass, trees ... **if it's alive, it needs energy**.

Did you know all living things (or things that were once living) have a part to play in **food chains**? Without them, other animals and plants may not be able to **survive!** For example: If there were no worms, there would be less birds as there would be a competition for **food**.



What would happen if one of those living things in a food chain was not there or die from a **disease**? They would actually die unless they move to another habitat. This would effect other animals too, because their food supplies would have gone.

Science Vocabulary

Word	Definition
food chain	A food chain shows how each animals gets its food.
predator	Animals that eat other animals are called predators
prey	Animals are called consumers because they eat plants and other animals. They do not make their own food.
living	Being alive
dead	No longer alive
energy	Makes things grow
disease	Infectious diseases caused by viruses and bacteria.

Dead or alive?	
Living	A living thing is alive.
Dead	A dead thing has once been alive
Non-living	A non-living thing has never been alive