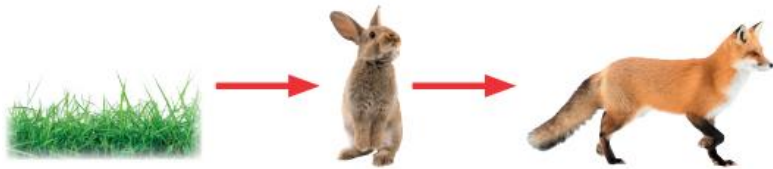




# KNOWLEDGE ORGANISER: Science- Food Chains Year 4 - Block 2

## Key Vocabulary

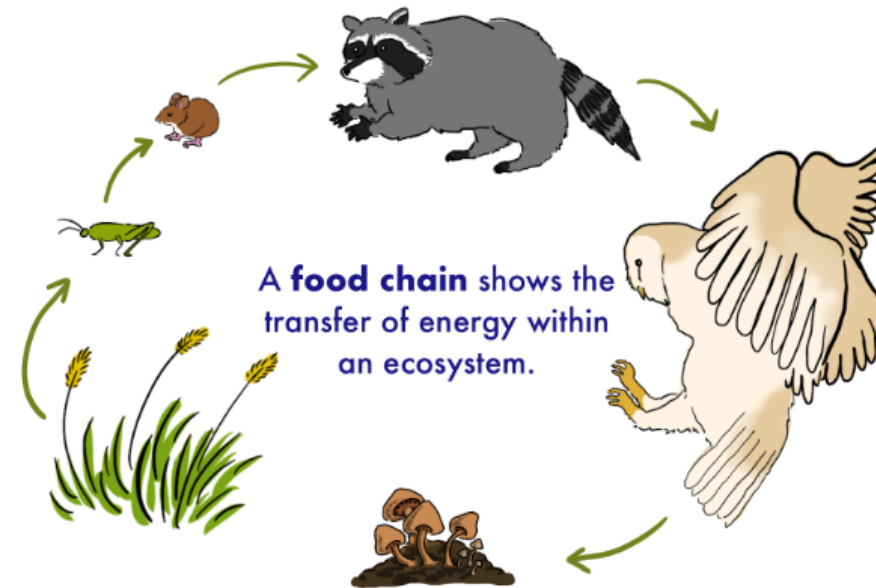
Food Chain	An order of living things, to show how energy is transferred when one living thing eats another
Producer	a living thing that makes its own food from the Sun
Predator	an animal that eats prey
Prey	animals that are eaten by predators
Consumer	a living thing that eats other living things
Hunting	chasing and killing animals
Overfishing	removing fish from a habitat
Farming	the process of using land to grow crops and raise animals



## Key Outcomes

1. I can explain how energy is transferred in a food chain- by showing how one living thing eats another, starting with a producer and moving through consumers, predators, and prey.
2. I can describe the different roles in a food chain- including producers, consumers, and predators, and explain how food chains can vary in length depending on the habitat.
3. I can recognise how human activities impact food chains and ecosystems- including how farming, habitat destruction, hunting, and overfishing can disrupt the balance of a habitat and threaten living things.

## Food chain



A food chain shows the transfer of energy within an ecosystem.

Energy is transferred between organisms when one organism eats another. A food chain is a simple, linear series of steps while a **food web** is more complex.

## Key Questions

1. What is a food chain, and how does energy flow through it?
2. What are the roles of producers, consumers, predators, and prey in a food chain?
3. Why are food chains important, and what would happen if key parts (like producers or prey) were removed?
4. How do food chains vary in length, and what factors determine their structure?
5. How does human activity affect food chains and habitats, and what can be done to protect them?