

# Pye Bank CE Primary DSAT Knowledge Organiser

YEAR 2

BIOLOGY: What do living things need to survive?

SCIENCE

## KEY VOCABULARY



food chain

**Food chain** - shows how each living things gets food, and how nutrients and energy are passed from creature to creature.



producers

**Producers** - plants are called producers because they 'produce' (make) their own food.



consumers

**Consumers** - animals that eat plants or other animals are called consumers because they 'consume' (eat) plants or other animals.



predators

**Predators** - eat other animals.



prey

**Prey** - get eaten by predators



decomposers

**Decomposers** - organisms that break down dead animal and plant material, which returns their nutrients to the soil.



organisms

**Organisms** - any living structure that is capable of growth and reproduction.



contaminated

**Contaminated** - unclean, polluted or poisoned.



habitat

**Habitat** - a natural home or environment of an animals, plant or other organism. Examples include: desert, woodland, ocean.



micro-habitat

**Micro-habitat**- a very specific, small home environment for plants, animals and insects. Examples include: ponds, under a stone, a pile of logs.

## KEY CONCEPT

All animals need air, water and food to survive.

- Humans and animals breathe in different ways depending on their environment.
- Some creatures use their lungs to breathe while others use gills, a blowhole or their skin.
- Water is important to all living creatures. It helps to fight off illness because it washes away germs, it digests food and it gets rid of waste through sweating and when you go to the toilet.
- There is water in everything that we drink and in many things that we eat.
- Water must not be contaminated because it can make you ill.
- All animals need food and they eat different things.
- Some animals are carnivores, herbivores and omnivores.
- It is important for humans to eat a variety of foods to be healthy.

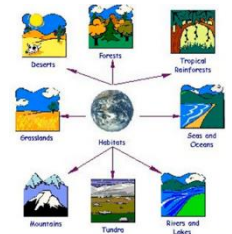
## STICKY KNOWLEDGE

1. All animals need air, water and food to survive.
2. Animals also need shelter to protect them. They get this from the habitat that they live in.
3. All animals have babies that grow into adults.
4. Some things are alive, somethings were once alive and somethings were never alive.
5. A food chain shows how each living thing gets food, and how nutrients and energy are passed form creature to creature.

## KEY CONCEPT

Animals, including humans, need shelter to protect them from the weather or danger.

- Animals live in different **habitats**.
- A habitat is the place where something lives.
- A habitat must have everything that a living thing needs to survive, including food, water, air, space to move and grow and shelter.



Leaf litter Under a log Pond

- A **microhabitat** is a smaller habitat within a larger one.
- A microhabitat is where mini beasts may live.

- The mini beasts that can be found in a microhabitat include worms, snails, ants, centipedes, millipedes and butterflies and they help to keep the microhabitat healthy.

## KEY CONCEPT

Animals and plants depend on each other to survive.

- We know that plants make their own food from sunlight.
- Animals need to get their food by eating plants and/or other animals.
- Some bigger animals eat smaller animals.
- This is called a **food chain**.
- A food chain shows how each living thing gets food. It begins with plant life and ends with animal life. All living things are part of a food chain.

