

Spring Science with Nova and Bea

Learning objective: To understand the life cycles of plants and animals, the importance of pollination, and the seasonal changes occurring during spring.

Read the front of each flashcard to test your knowledge of spring science. Check your answer against the information provided after the vertical bar.

What is germination?

Germination is the process by which a seed begins to grow into a new plant, usually triggered by water, warmth, and oxygen.

Why is Bea the bee important to flowers in spring?

Bea helps with pollination, which is the movement of pollen from the male part of a flower to the female part, allowing the plant to produce seeds.

What does 'deciduous' mean?

Deciduous trees shed their leaves annually; in spring, they grow new buds and leaves as the weather warms up.

What is the primary source of energy plants use for growth in spring?

Sunlight, which plants use during the process of photosynthesis to create their own food.

What is a life cycle?

A life cycle is the series of changes in the life of an organism, including birth, growth, reproduction, and death.

What happens to animals that have been in hibernation during the spring?

They wake up from their long, deep sleep as the temperature rises and food sources like plants and insects become available again.

What is the spring equinox?

The equinox is the time of year when day and night are approximately equal in length, marking the official start of spring.

Why do many birds return to the UK in the spring?

They are completing their migration, returning to breeding grounds where food is more plentiful after spending the winter in warmer climates.

What is the role of the 'stamen' in a flower?

The stamen is the male part of the flower that produces pollen.

What is the main purpose of a flower's petals?

Petals are often brightly coloured to attract insects like bees and butterflies to help with pollination.

Name one environmental factor that changes in spring to signal plants to start growing.

Increasing daylight hours or rising temperatures.

What are the three main things a seed needs to germinate?

Water, warmth (a suitable temperature), and oxygen.