

Key Vocabulary

Science—Learning about how and why things happen the way they do by observing, describing and experimenting.

Germination—When a seed soaks up water and swells, the tiny plant bursts out of the shell.

Shoot—The first part of a plant to appear, which always grows upwards from the seed to get to sunlight.

Nutrition—Food and drink that is consumed by plants or animals for energy.

Dispersal—When a seed moves away from the parent tree or plant. They can drop in a fruit or be moved by wind or animals.

Conditions—The things that plants need to grow and stay healthy.

Adapted—How animals and plants become better suited to their habitats.

Climate—Average weather conditions in a particular place.

Experiment—A test of an idea. Results are observed to learn from them

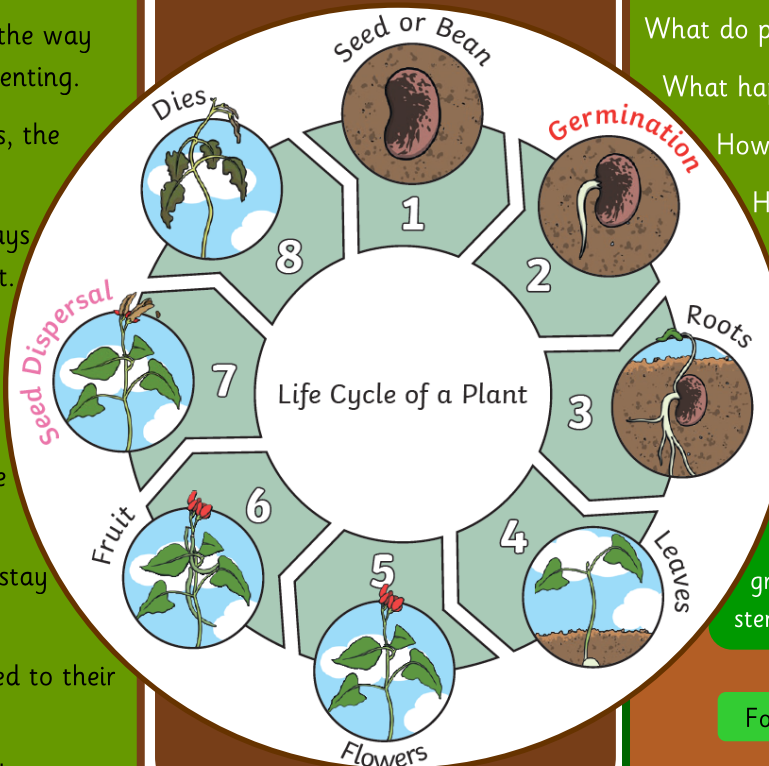
Fair test—Only change **one** thing to ensure that any differences in results are because of that one change.

Observe—To look at something carefully and think about what it tells us.

Predict—Say what you think is going to happen in the future.

Evaluate—Study something carefully to judge or measure it.

Life Cycle of a Plant



Key Questions

What do plants need to grow and stay healthy?

What happens if they don't get enough of these things?

How do plants perform the 7 life processes?

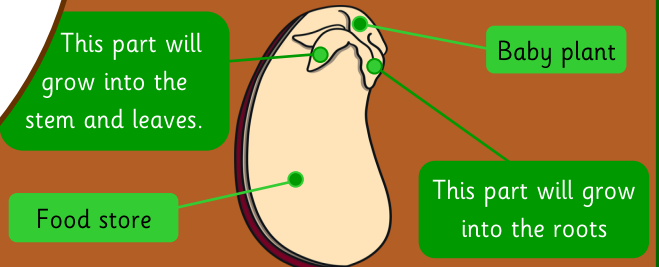
How can plants survive in hot, dry or cold places?

What is inside a seed?

What do the different parts of the plants do?

How do plants grow?

Inside a Seed



Plants Living in Extreme Conditions

Hot and dry



Prickly pear cactus

Cold and windy



Cushion plant

Wet and warm



Banana plant

What Plants Need



Sunlight



Water



Air



Nutrients