


Key Vocabulary	Life cycle of a flowering plant
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Germination	When the seed has soaked up water and a new plant has grown out of the shell.
Shoot	The part of a germinating plant that grows upwards to find sunlight.
Seed dispersal	The way a plant gets its seeds away from the plant.
Sunlight	Plants use sunlight to make food. It is very important for plants to survive.
Water	Plants need water to grow and for seeds to germinate.
Nutrition	The goodness used by the plant to grow healthily. This is absorbed by the roots.

Germination
roots grow



Flower

Seed dispersal

Pollination

Germination
shoot grows

Seedling


Click the link below to watch a BBC video about the life cycle of a flowering plant.

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<https://www.youtube.com/watch?v=AcSgaUBwin4>

- I can:**
- observe and describe how seeds and bulbs grow into mature plants
 - find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.


What plants need ...	Some plants we could identify and classify ...
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Energy

Water

Temperature



To germinate

To grow

Nutrients

Minerals












Space

- Germinating seeds need to have energy (stored in the seed), water and the right temperature to germinate. *Conduct an investigation to find different materials seeds can germinate in!*
- To grow, plants need a constant supply of light, nutrients and minerals as well as plenty of space in addition to water, energy and a suitable temperature.

Videos on growing healthy plants.

<https://www.bbc.com/bitesize/articles/z98jpbk>

<https://www.bbc.com/bitesize/articles/zcmtk2p>

 Venus fly trap	 Cactus	 sage thyme oregano
 Sunflower	 Radishes	 Lettuce
 Daisy	 Tulip	 Rose
		 Dandelion
		 Daffodil

Quiz

Question 1

Which stage of the plant life cycle is this a picture of?

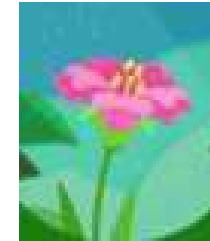
- a) Germination – roots grow
- b) Germination – shoot grows
- c) Seedling
- d) Flower



Question 2

Which stage of the plant life cycle is this a picture of?

- a) Germination – roots grow
- b) Germination – shoots grow
- c) Seedling
- d) Flower



Question 3

Which of the following do seeds not need to germinate?

- a) Energy
- b) Light
- c) Water
- d) Correct temperature

Question 4

What word is used to describe a seed soaking water and growing a plant out of its shell?

- a) Nutrition
- b) Germination
- c) Shoot
- d) Seed dispersal

Question 5 (Review from year 1)

What is the function of the roots?

- a) To absorb sunlight to make food for the plant
- b) To attract insects and birds and make seeds
- c) To absorb water from the soil and anchor the plant into the ground
- d) To transport water up the plant

Question 6 (review from year 1)

What is the function of the flower?

- e) To absorb sunlight to make food for the plant
- f) To attract insects and birds and make seeds
- g) To absorb water from the soil and anchor the plant into the ground
- h) To transport water up the plant