

# Life cycle of a sunflower – 1

Read the explanation in the flow chart.

Have you seen sunflowers growing in a garden? These lovely plants have large flower heads with bright yellow petals. It is a pleasure to look at sunflowers. Sunflowers look as if they are smiling at you! During growth, sunflowers tilt during the day to face the sun. Here is some information about their life cycle.

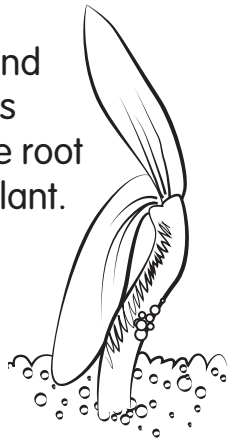
**First**, a sunflower seed falls to the ground. It will start to develop when the weather is warm and the soil is damp. This is called germination.



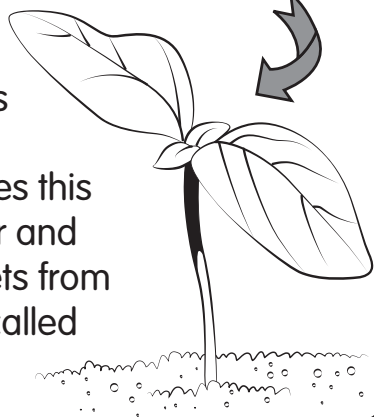
A root develops and grows down into the ground. It holds the plant in place. The root allows the plant to grow by taking in water and nutrients from the soil.



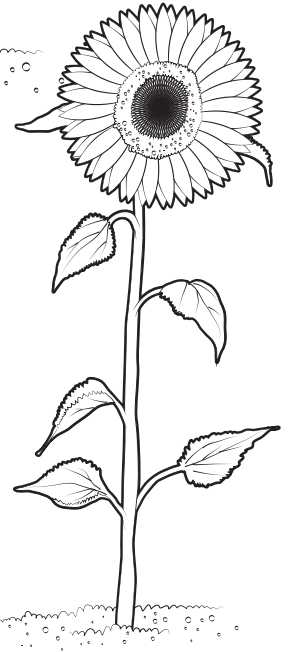
A small shoot appears above the soil. Then the stem begins to grow. It carries water and nutrients from the root to the plant.



The leaves appear. They make the nutrients the plant requires to continue growing. It does this by using sunlight, water and the carbon dioxide it gets from the air. This process is called photosynthesis.



Flowers begin to develop. These contain pollen and ova. In the future, they will combine to produce seeds which will eventually germinate and grow into new plants. Sunflowers are fully grown in about three months. If you need to measure them, they can grow up to three metres tall.



The petals and leaves fall off as the flowers die. Seeds will begin to form inside each flower.



Did you know that sunflower seeds are very good for you as they are full of nutrients such as Vitamin E? Oil is extracted from the seeds too and used in cooking. Have you tasted crunchy sunflower seeds?

<b>My learning log</b>	When I read this explanation, I could read:	<input type="checkbox"/> all of it.	<input type="checkbox"/> most of it.	<input type="checkbox"/> parts of it.
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# Life Cycle of a Sunflower – 2

1. Use a dictionary to write a definition for each word.

(a) nutrients \_\_\_\_\_

(b) pollen \_\_\_\_\_

(c) ova \_\_\_\_\_

(d) extracted \_\_\_\_\_

2. The author has used a flow chart as the main part of the explanation. How does this help the reader to understand the life cycle?

\_\_\_\_\_  
\_\_\_\_\_

3. Number these parts of the life cycle in the correct order.

(a) The leaves start growing.  (b) The sunflower is fully grown.

(c) A seed germinates.  (d) The root develops.

4. What do you think would happen if you planted some sunflower seeds and the weather stayed cool and dry?

\_\_\_\_\_  
\_\_\_\_\_



5. What is similar about a sunflower's roots and stem?

\_\_\_\_\_

6. (a) Do you think the author likes sunflowers?  Yes  No

(b) Explain your answer. \_\_\_\_\_

\_\_\_\_\_

7. Write an interesting fact you learnt about sunflowers.

\_\_\_\_\_  
\_\_\_\_\_

My learning log	While doing these activities:		
	I found Q _____ easy.	I found Q _____ challenging.	I found Q _____ interesting.

# Life Cycle of a Sunflower – 3

1. Reread the explanation text and underline any words that end in '-sure'. Write them here.

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2. Read these words that end in '-sure'.

treasure      pressure      pleasure      measure      enclosure

3. Write the missing '-sure' words into these sentences.

- (a) It was a great \_\_\_\_\_ to help organise the birthday party.
- (b) The pirates found \_\_\_\_\_ on the deserted island.
- (c) The tigers were in a secure \_\_\_\_\_ at the zoo.
- (d) Dad checked the \_\_\_\_\_ of the car tyres.
- (e) Our teacher asked us to \_\_\_\_\_ the length of the piece of string.

4. Reread the explanation text and underline any words that end in '-tion'. Write them here.

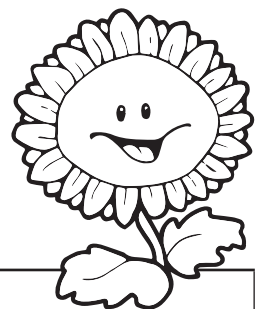
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5. Read these words that end in '-tion'. Divide them into syllables. Write the syllables beside the word.

injection	pollution
action	nation
invention	station
fiction	solution

6. Find a word from the text that is a synonym for these.

- (a) wet \_\_\_\_\_
- (b) dazzling \_\_\_\_\_
- (c) hot \_\_\_\_\_
- (d) grinning \_\_\_\_\_
- (e) starts \_\_\_\_\_
- (f) over \_\_\_\_\_



<b>My learning log</b>	<p>I <span style="border: 1px solid black; padding: 2px;">can read</span> / <span style="border: 1px solid black; padding: 2px;">can't read</span> words ending in '-sure'.</p> <p><b>Colour:</b> I <span style="border: 1px solid black; padding: 2px;">can read</span> / <span style="border: 1px solid black; padding: 2px;">can't read</span> words ending in '-tion'.</p> <p>I <span style="border: 1px solid black; padding: 2px;">know</span> / <span style="border: 1px solid black; padding: 2px;">don't know</span> the synonyms of the words on this page.</p>
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