

## Germination experiment

Name:

Date:

### Questions

1. In the following sentence, fill in the spaces using the words provided in the box below.

food	water	sugar
grow	energy	photosynthesis
leaves	carbon dioxide	plants

\_\_\_\_\_ produce their own \_\_\_\_\_, which they need to survive, \_\_\_\_\_ and reproduce. They use their \_\_\_\_\_ to capture the sun's \_\_\_\_\_ and use it to transform \_\_\_\_\_ and \_\_\_\_\_ into \_\_\_\_\_. This process is called \_\_\_\_\_.

2. Why did the seed change in size during the first 24 hours?



3. Did the seeds from which you removed one or two cotyledons grow as fast as the seed that remained intact? Why?

4. Before a plant has leaves, where do you think it gets the energy (food) it needs to sprout?

**This lesson plan was produced by the Canada Agriculture and Food Museum.**

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