



# Canada Agriculture and Food Museum

## Germination experiment

Name:

Date:

## Observations

Table 1



	Drawing of intact seed	Observations
Beginning (day 1)	<p>Date: _____ Time: _____</p>	<p>The variety of pulse I chose is _____.</p> <p>The dry seed is _____ millimetres (mm) long.</p>
After 6 hours (day 1)		<p>After 6 hours in contact with water, the seed is _____ millimetres (mm) long.</p> <p>Since the start of the experiment, has there been a change?</p> <p>Change = (length<sub>after 6 hours</sub>) - (length<sub>when dry</sub>)</p> <p>Change = ( _____ mm) - ( _____ mm)</p> <p>Change = _____ mm</p>
After 24 hours (day 2)		<p>→ Don't forget to carry out step 6 of the experiment!</p> <p>After 24 hours in contact with water, the seed is _____ millimetres (mm) long.</p> <p>Has the size of the seed changed since the last time it was measured?</p> <p>Change = (length<sub>after 24 hours</sub>) - (length<sub>after 6 hours</sub>)</p> <p>Change = ( _____ mm) - ( _____ mm)</p> <p>Change = _____ mm</p>



After 48 hours (day 3)		Date: _____ Time: _____ Changes and notes:
Day 4	→ Don't forget to carry out step 7 of the experiment!	
		Date: _____ Time: _____ Changes and notes:
Day 5		Date: _____ Time: _____ Changes and notes:



Day 6		Date: _____ Time: _____ Changes and notes:
Day 7		Date: _____ Time: _____ Changes and notes:

## Anatomy of a Seed

Table 2

<i>Draw what you observe inside the seed after removing the casing and separating the cotyledons.</i>	
After 24 hours	Day 4

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

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