

Name: _____

Subject: Science and Technology

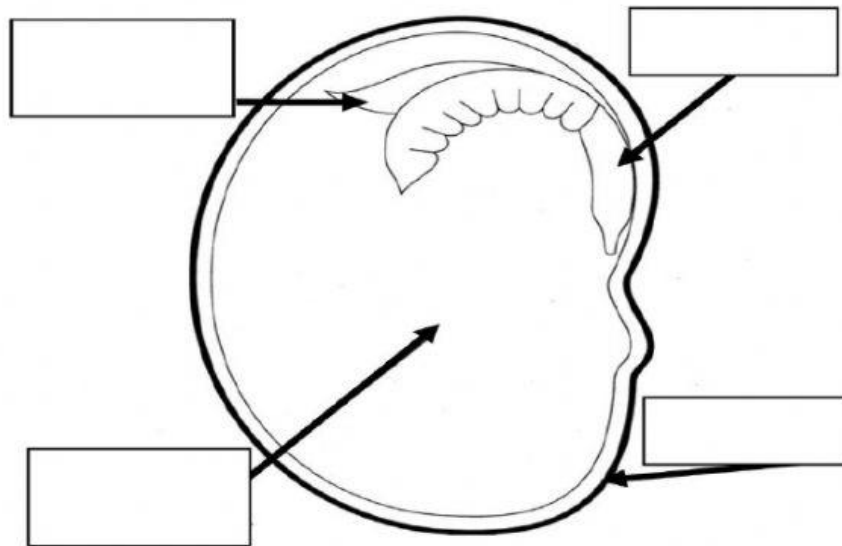
Unit: The process of Germination

Read each question carefully and answer all the questions.

1. Germination is _____.

2. Label the parts of the seed







Embryo	leaf	food storage	seed coat
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3. Another name for each part of the seed is

- a. Embryo
 - i. Root system:
 - ii. Shoot system:
- b. Seed coat:
- c. Food storage:

4. Use numbers to place the germination process in the correct sequence.

<div data-bbox="331 338 422 421"><input type="checkbox"/></div> <p data-bbox="347 461 619 674">The leaves unfold ready for the seedling to make its own food via photosynthesis.</p> 	<div data-bbox="906 338 997 421"><input type="checkbox"/></div> <p data-bbox="938 544 1396 651">The seed absorbs water, causing the hard shell casing to split open.</p> 
<div data-bbox="331 752 422 835"><input type="checkbox"/></div> <p data-bbox="336 846 632 1093">The stem, with leaves still folded, straightens and pokes through the soil. The roots spread out looking for water.</p> 	<div data-bbox="906 752 997 835"><input type="checkbox"/></div> <p data-bbox="938 981 1396 1088">The root pushes down from the seed into the soil looking for water and nutrients.</p> 
<div data-bbox="331 1160 422 1243"><input type="checkbox"/></div> <p data-bbox="336 1357 643 1496">Once the root is established, the seed casing starts to open.</p> 	<div data-bbox="906 1160 997 1243"><input type="checkbox"/></div> <p data-bbox="911 1261 1193 1507">The stem of the seedling starts to emerge, looking for light. The roots get bigger to support the new plant.</p> 

5. What are the three conditions necessary for germination to take place?

a. _____ b. _____ c. _____