

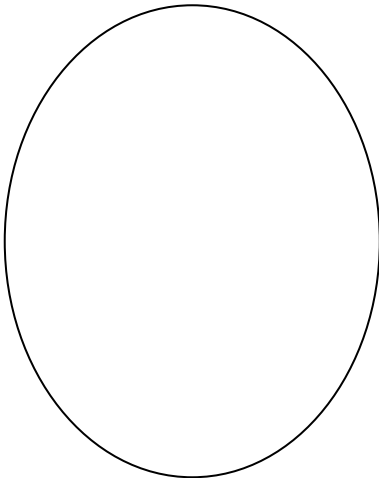
## Germination Exercise

### **Learner Outcome:**

The student will be able to conduct a germination exercise to explain the environmental factors that promote seed growth (MS-LS1-5).

**Directions:** Sketch the changes you see in the petri dish for the next three days. The written observations should include quantitative (numbers) and qualitative (shape, color, etc.) observations. During the third and fourth day observations, label the radicle, hypocotyl, and cotyledons on your sketch.

### Day 1

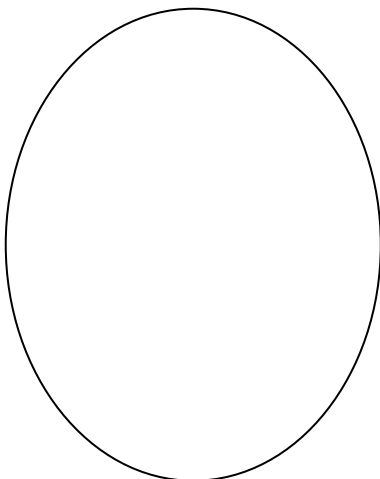


### Observations

Quantitative:

Qualitative:

### Day 2

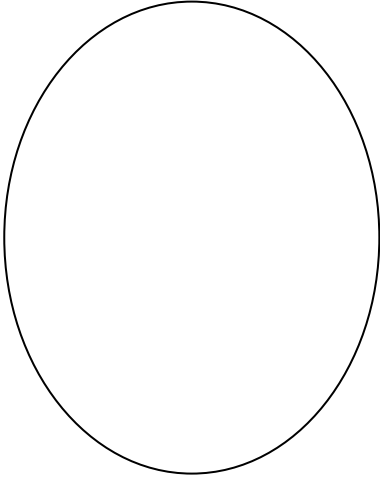


### Observations

Quantitative:

Qualitative:

**Day 3**

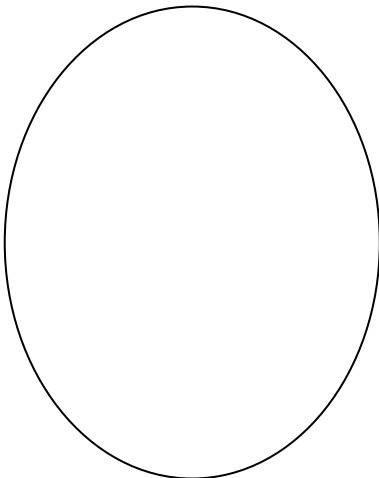


**Observations**

Quantitative:

Qualitative:

**Day 4**



**Observations**

Quantitative:

Qualitative:

**Analyzing Question:**

Based on the observations from the germination lab, explain the factors needed for germination to occur?

**Extension Questions:**

*If you have time at the end of class, you may answer these extension questions.*

How do you think seeds get dispersed for germination to occur?

Read page 139 in your book; what did you find out? Were you correct?