

Seed Germination Observation

Germination=sprouting

Example1:

Related word: *to germinate*: Example:

Creative use:

Seedling structure diagram	Notes

- You will start with four seeds. At the first observation, choose the two healthiest seedlings, and put the others in the class compost.
- Use a sharpie to draw a line on your bag dividing it into two sections. Put one seedling on each side. Have one partner follow one seedling, and the other follow the second. Put your initials on your side.
- When you observe, be VERY gentle with your seedlings, trying to leave them on the paper towel.
- Observe and Record seed size, shedding of *seed coat*, emergence of *primary root*, *root hairs*, *seed leaves* ("fleshy" structures that feed the developing plant), *stem*, *true leaves*
- SEEDS STARTED ON _____ (DATE)

Qualitative
v.
Quantitative
Variables

Qualitative Variables (anything you can describe, but which is difficult to quantify) Examples of *qualitative* traits of people:

Quantitative Variables (things you can measure).
Examples of *quantitative* traits in people:

Observation	Date/ Day	Qualitative Observations (WORDS)	Quantitative Observations (millimeters)	Labeled sketch (label each part that you draw)
1		<hr/> <hr/> <hr/> <hr/> <hr/>	Length of 1. root = _____ 2. stem = _____	
2		<hr/> <hr/> <hr/> <hr/> <hr/>	Length of 1. root = _____ 2. stem = _____	

