
Figure 1

Controlled variables (at least 3):

Manipulated variable:

Responding variable:

Experimental control:

Observations and Data:

Lima Beans Soaked In:	Number Used:	Number Germinated:	Percentage Germinated:
Water	10		
Ammonia	10		
Sulfuric Acid	10		
Vinegar	10		
Detergent	10		

Conclusion:

Analysis:

1. Arrange the lima bean samples in sequence, from highest percentage of germination to lowest.
2. How did the pollutants used in this laboratory affect the germination of lima beans?
3. What other household chemicals might have the same effect on the germination of lima beans?
4. Could the amount of pollutant used to make the solutions in which the lima beans were soaked have an effect on the results of this laboratory? Design an experiment to answer this question. Describe your experiment on your own piece of paper and staple it to this one.