

Do Chemicals Affect Seed Growth?



Experiment

- 1 Label the plastic bags from 1 to 5.
- 2 For each bag, fold a paper towel into fourths. Put the folded towel into the bag.
- 3 Add 25 mL of a liquid to each bag, Follow the chart below. Use the vial to measure each liquid.
- 4 Put five lima bean seeds in each bag.
- 5 Put all five bags in a warm place.
- 6 After two weeks, observe the bags. Did seeds sprout in any of the bags? Did roots grow? Did stems grow? Did the stems have leaves? Record your results in the chart.

	Liquid	pH	Results
Bag 1	plain water		
Bag 2	vinegar		
Bag 3	sugar solution		
Bag 4	soapy water		
Bag 5	lemon juice		

Analyze Results

- 1 Which bag had the most seeds sprout? _____
- 2 Which bag had the fewest seeds sprout? _____