

Name: _____

Date: _____

Scientific Method

Title of Experiment: _____

Materials needed: _____

Hypothesis: (educated "guess"..what do you *think* will happen?)

Procedure: (steps to perform the experiment)

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

Observations: (what did you see:? be specific and detailed)

Analyze and Conclude: (What happened? Why do you think this did happen?)

Add any other information you think would be useful. You may also sketch pictures of the experiment.

SCIENTIFIC METHOD

PROBLEM: The problem states what you are trying to find out by doing this experiment. Write the problem in the form of a question.

EXAMPLE: Does bread dipped in milk grow mold faster than bread that is not dipped in milk?

HYPOTHESIS: The hypothesis states what you THINK the answer is to your problem.

EXAMPLE: I think bread dipped in milk will grow mold faster than bread that is not dipped in milk.

EXPERIMENT: Describe the experiment completely.

EXAMPLE: A piece of bread was cut in half. One of the halves was dipped in milk. Each half of bread was placed in a separate plastic cup. The cups of bread were observed to see if and when mold would grow.

RESULTS: Write down what you observe happened in the experiment.

EXAMPLE: The bread dipped in milk began to grow mold. The other piece of bread got hard and did not grow mold.

CONCLUSION: The conclusion answers the question that you asked at the beginning when you stated your problem.

EXAMPLE: Bread dipped in milk will grow mold faster than bread that is not dipped in milk.