

Name: \_\_\_\_\_

Date: \_\_\_\_\_

### Scientific Method Quiz

Directions: Answer the following questions to the best of your ability.

1. The scientific method is a process for experimentation that is used to explore observations and answer questions. What is one of the first steps in completing the scientific method?

- A. Experiment      B. Hypothesis      C. Making Observations      D. Data

2. What is the second step in completing the scientific method?

- A. Hypothesis      B. Problem or Question      C. Experiment      D. Conclusion

3. Put the steps of the scientific method in order below by placing a 1 next to the first step and 2-6 for the steps in order.

- \_\_\_\_\_ Hypothesis
- \_\_\_\_\_ observations
- \_\_\_\_\_ experiment
- \_\_\_\_\_ conclusion
- \_\_\_\_\_ problem
- \_\_\_\_\_ results

4. Which word explains what a hypothesis is?

- A. Results      B. Prediction      C. Data      D. Procedure

5. Which step of the scientific process asks a question that you are trying to find out with your experiment?

- A. Hypothesis      B. Problem      C. Conclusion      D. Observations

6. Write an "O" on the line next to the statement if you think it is an observation and write an "I" on the line next to the statement if you think it is an inference (guess).

- \_\_\_\_\_ The boy had three cavities.
- \_\_\_\_\_ The boy did not brush his teeth.
- \_\_\_\_\_ The grasshopper used his long legs to jump.
- \_\_\_\_\_ The grasshopper's front legs are shorter than the grasshopper's back legs.
- \_\_\_\_\_ The plant did not get enough water.
- \_\_\_\_\_ The leaves on the plant are turning brown.
- \_\_\_\_\_ The gummy bear got smaller when placed in vinegar.
- \_\_\_\_\_ The gummy bear is made with only sugar.