

## SCIENTIFIC METHOD QUIZ

NAME \_\_\_\_\_ CLASSROOM # \_\_\_\_\_

Please choose ONE of the two options that describe the specific step of the Scientific Method.

1. Design a test for your hypothesis, following the steps.

EXPERIMENT

RESEARCH

2. What question do you want to answer or what do you want to find out?

PURPOSE

EXPERIMENT

3. What did you learn? Was your hypothesis correct?

HYPOTHESIS

GATHER DATA/ANALYZE

4. Find out information about your question so you can make a hypothesis.

CONCLUSION

RESEARCH

5. An educated guess or prediction

PURPOSE

HYPOTHESIS

6. Make observations and compare what you thought would happen with your results of your experiment.

CONCLUSION

HYPOTHESIS

Multiple Choice-Circle the letter of the best answer choice.

7. The Method of gathering information by using your senses is

called a/an\_\_\_\_\_

- a. Observation
- b. experiment
- c. conclusion

8. The scientific method is a process that involves following certain steps. Which of these steps would come first?

- a. Ask a question
- b. Make a hypothesis
- c. conduct an experiment

9. Which tool should be used to measure temperature?

- a. thermometer
- b. graduated cylinder
- c. finger

10. Scientists learn and study the world around them by using:

- a. The Big Bang Theory
- b. Characteristics of Life
- c. Scientific Method

11. Which of these tools can be used to measure the mass of an object?

- a. measuring cup
- b. thermometer
- c. scale balance

12. Which of the following experiments is MEASUREABLE?

- a. McDonald's is a good place to buy coffee
- b. McDonald's coffee cups keep coffee warmer for longer than Burger Kings
- c. McDonald's is dirty inside