

Hypothesis Headquarters Review

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Understanding the Scientific Method

Name: _____

Date: _____

Answer the following questions based on what you've learned about hypotheses and the scientific method.

1. What is a hypothesis in scientific investigation?

2. What makes a good hypothesis?

- A. It is a random guess
- B. It is always testable
- C. It does not need to be based on observations

3. A good hypothesis often uses the phrase '____... then...'

4. A hypothesis should be based on random thoughts and ideas.

True False

5. Why do scientists create hypotheses?

6. What should you use to create a hypothesis?

- A. Feelings
- B. Observations and prior knowledge
- C. Books only

7. God provides ___ and understanding to help us learn about His creation.

8. The scientific method allows us to understand the world through careful observation.

True False

9. What does Proverbs 2:6 say about wisdom?

- A. It comes from Yahweh
- B. It is not important
- C. It is found in nature

10. How can we test our ideas carefully in science?

Answer Key

1. A hypothesis is an educated guess that is based on what you already know and can be tested. 2. It is always testable 3. If 4. False 5. Scientists create hypotheses to make predictions that can be tested through experiments and observations. 6. Observations and prior knowledge 7. wisdom 8. True 9. It comes from Yahweh 10. We can conduct experiments, gather data, and observe the results closely.