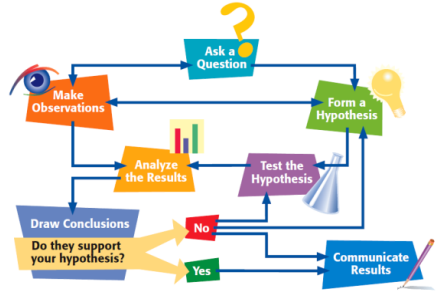


Quiz 1.2 - The Scientific Method

1. The ____ is a set of steps that scientists use to answer a question or solve a problem.

- A. scientific method
- B. controlled experiment
- C. prediction
- D. hypothesis



2. Taking measurements with tools such as thermometers is a type of

- A. hypothesis.
- B. prediction.
- C. conclusion.
- D. observation.

3. Observations are only useful if they are ____.

- A. important
- B. accurate
- C. complicated
- D. understood

4. A testable idea or possible explanation that leads to scientific experimentation is a

- A. conclusion.
- B. theory.
- C. hypothesis.
- D. law.

5. How are predictions usually stated?

- A. as a question
- B. In an if-then format
- C. in code
- D. as a conclusion

6. What type of experiment tests one factor at a time?

- A. scientific experiment
- B. uncontrolled experiment
- C. controlled experiment
- D. conclusive experiment

7. The one factor that changes in an experiment is called the ____.

- A. data
- B. variable
- C. observation
- D. prediction

8. What might a scientist use to organize data?

- A. a speech
- B. a photograph
- C. a graph
- D. an experiment

9. During which step do scientists make tables and graphs?

- A. analyzing the results
- B. asking questions
- C. forming a hypothesis
- D. making a prediction



10. What are scientists deciding when they draw conclusions?

- A. whether to put the data in a graph
- B. which factor is the variable
- C. whether the results support their hypothesis
- D. which group should be their control group