

HSRT Practice Test Questions and Answers

1. In the scientific method, what comes immediately after forming a hypothesis?

- A) Drawing conclusions
- B) Designing and conducting experiments
- C) Analyzing data
- D) Publishing results

2. Which of the following is the best example of a controlled variable in an experiment?

- A) The factor being tested
- B) The temperature kept constant throughout the experiment
- C) The results obtained
- D) The conclusion reached

3. What is the primary purpose of peer review in scientific research?

- A) To increase publication speed
- B) To ensure quality and validity of research
- C) To reduce research costs
- D) To promote collaboration

4. Which statement best describes a scientific theory?

- A) An educated guess about natural phenomena
- B) A well-substantiated explanation supported by evidence
- C) A simple observation of nature
- D) A mathematical equation

Answers: 1-B 2-B 3-B 4-B

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