

Name _____

Historical Breakthroughs with the Scientific Method

Multiple-Choice Questions

1. Which scientist observed the four largest moons of Jupiter and the phases of Venus, supporting the heliocentric model of the solar system?

- a) Isaac Newton
- b) Charles Darwin
- c) Marie Curie
- d) Galileo Galilei

2. Sir Isaac Newton's laws of motion and universal gravitation laid the foundation for which field of science?

- a) Astronomy
- b) Chemistry
- c) Biology
- d) Physics

3. What did Charles Darwin propose in his theory of evolution by natural selection?

- a) Individuals with favorable traits are more likely to survive and reproduce.
- b) Species evolve through random chance events.
- c) All species are unchanging over time.
- d) Evolution is directed by a higher power.

4. Which scientist made significant discoveries related to radioactivity, including the discovery of polonium and radium?

- a) Albert Einstein
- b) Marie Curie
- c) Charles Darwin
- d) Galileo Galilei

5. What groundbreaking ideas did Albert Einstein's theory of relativity introduce?

- a) Theories of planetary motion
- b) The laws of thermodynamics
- c) The concepts of special and general relativity
- d) The laws of motion and universal gravitation

