

Hypotheses, Theories and Scientific Law Exit Quiz – Teacher Edition

Multiple Choice - Select the best answer

1. Which of the following is not a requirement of scientific research?
 - a) It must be peer-reviewed by other specialists in the field.
 - b) It includes careful experimentation
 - c) It includes repeated trials or tests
 - d) They do not provide an explanation into how or why something occurs.
2. A rigorously tested hypothesis can contribute to _____.
 - a) law
 - b) theory
 - c) experiment
 - d) scientific research
3. Which of the following correctly identifies a difference between a scientific theory and a law?
 - a) Laws are often contributed to by multiple scientists over many years, whereas theories are not.
 - b) Laws are a concise statement whereas a theory explains how or why something occurs.
 - c) There are more laws than theories.
 - d) Theories are more correct than laws.
4. Which of the following is considered true and is universal accepted under specific conditions?
 - a) law
 - b) theory
 - c) hypothesis
 - d) scientific research
5. What step in scientific research is used to prove a hypothesis right or wrong, and to formulate scientific theories?
 - a) problem
 - b) conclusion
 - c) experiment
 - d) analysis of data