Introductory Chemistry A Foundation 7th Edition Zumdahl Test Bank

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Chapter 01 - Chemistry: An Introduction

Student:	
1. Define the following terms:	
a. science	
b. chemistry	

- 2. Define the following terms:
- a. scientific method
- b. natural law
- c. hypothesis
- d. theory

- 3. Which of the following is **not** a step in the scientific method?
- A. Make an observation.
- B. Formulate a hypothesis.
- C. Perform an experiment.
- D. Change results to agree with your hypothesis.
- E. Develop a theory (or model).

4. A _	is a summary of observed behavior, and a	is an explanation of behavior
A. law	y, measurement	

B. theory, scientific method
C. theory, law
D. law, theory
E. hypothesis, theory

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Chapter 01 - Chemistry: An Introduction Key

a. science b. chemistry
a. Science - a framework for gaining and organizing knowledge. It is a procedure for processing and understanding certain information.b. Chemistry - the science that deals with the matter of the universe and the changes it can undergo.
2. Define the following terms:a. scientific methodb. natural lawc. hypothesisd. theory
 a. Scientific method - the process or steps of scientific inquiry. b. Natural law - a statement describing observed behavior. c. Hypothesis - a possible explanation for an observation. d. Theory - a set of testsed hypotheses that gives an explanation for some behavior or observation (also called a model).
 3. Which of the following is not a step in the scientific method? A. Make an observation. B. Formulate a hypothesis. C. Perform an experiment. D. Change results to agree with your hypothesis. E. Develop a theory (or model).
4. A is a summary of observed behavior, and a is an explanation of behavior. A. law, measurement B. theory, scientific method C. theory, law D. law, theory E. hypothesis, theory