

Chemistry Chapter 1 Test**Matching**

Match each term with the correct statement below.

- | | |
|------------------------|-------------------------|
| a. organic chemistry | d. analytical chemistry |
| b. inorganic chemistry | e. physical chemistry |
| c. biochemistry | |

- _____ 1. the study of the processes that take place in organisms
- _____ 2. concerned with the mechanism, rate, and energy transfer that occurs when matter undergoes a change
- _____ 3. the study of all chemicals involving carbon
- _____ 4. the study of chemicals that, in general, do not contain carbon
- _____ 5. the study of the composition of matter

Multiple Choice

Identify the choice that best completes the statement or answers the question.

- _____ 6. Which field of science studies the composition and structure of matter?
- a. physics
- b. biology
- c. chemistry
- d. geology
- _____ 7. The study of chemicals that, in general, do not contain carbon is traditionally called what type of chemistry?
- a. bio
- b. inorganic
- c. physical
- d. analytical
- _____ 8. Which of the following is an example of chemistry research in the real world of energy?
- a. producing electricity
- b. specific reactions between prescription drugs and chemicals in cells
- c. developing rechargeable batteries
- d. determining the composition of extra-terrestrial soil and rocks.
- _____ 9. A theory is a _____.
- a. proposed explanation for an observation
- b. well-tested explanation for a broad set of observations
- c. summary of the results of many observations
- d. procedure used to test a proposed explanation
- _____ 10. There are many reasons to study chemistry. In general, most people study chemistry for all of the following reasons EXCEPT?
- a. The social prestige and honor in being a chemist.
- b. Chemistry can help you satisfy your natural desire to understand how things work.
- c. Knowledge of chemistry is important for success in a variety of careers.
- d. Knowledge of chemistry is important in making informed decisions as a citizen.

Pearson Principles Of Chemistry Answer Key

Robert W. Messler, Jr.



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