

Assessment

Chapter 1 Study Guide Review

Chapter: Matter and Change

In the space provided, write the letter of the term or phrase that best completes each statement or best answers each question.

- _____ 1. A scientist is working in the lab, with compounds containing carbon. She is most likely working in the field of
 - a. inorganic chemistry.
 - b. theoretical chemistry.
 - c. organic chemistry.
 - d. None of the above

- _____ 2. The branch of chemistry called analytical chemistry most likely would be used in determining the
 - a. economic effects of a new substance.
 - b. chemical composition of a new substance.
 - c. effect of a chemical compound on living things.
 - d. uses of a particular metal.

- _____ 3. A scientist is working with mathematical and computer models to learn about the principles at work in a chemical reaction. He is working in the field of
 - a. theoretical chemistry.
 - b. physical chemistry.
 - c. biochemistry.
 - d. analytical chemistry.

- _____ 4. Research that is carried out for the sake of increasing knowledge, such as research into the properties of a substance, is considered to be
 - a. applied research.
 - b. basic research.
 - c. technological development.
 - d. None of the above

- _____ 5. A scientist is working to improve a product that uses fiber optics. This is an example of
 - a. applied research.
 - b. basic research.
 - c. technological development.
 - d. Both (a) and (c)

Chemistry Chapter One Study Guide Answers

Pamela Mills,Amina El-Ashmawy



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