

CK-12 Chemistry Concepts - Intermediate Answer Key

Chapter 4: Atomic Structure

4.1 Democritus' Idea of the Atom

Review

Questions

1. How did the ancient Greek philosophers spend their time?
2. What approach did they not have for studying nature?
3. Who was the most influential philosopher of that time?
4. What was the major contribution Democritus made to the thinking of his day?
5. List characteristics of atoms according to Democritus.

Answers

1. Debate and discussion
2. Observe nature and experiment.
3. Aristotle.
4. The idea of the atom.
5. Unchangeable, indestructible, always existed.

4.2 Law of Conservation of Mass

Review

Questions

1. The Law of Conservation of Mass states that, during a chemical reaction, the total _____ of the products must be equal to the total _____ of the reactants.
2. Describe an example of the law of conservation of mass.

Answers

1. mass, mass
2. A specific amount of water would have the same mass even if you turned it from a liquid to a solid or a gas.

Ch 4 Guided Atomic Structure Answers

James F. Hall

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