

Chapter 14 Preassessment

Multiple Choice

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

____ 1. What do we call the tiny core at the center of an atom, containing most of the atom's mass and all of its positive charge?

- a. Electron
- b. Neutron
- c. Proton
- d. Nucleus

____ 2. What is the fundamental property of matter that can either be positive or negative?

- a. Charge
- b. Mass
- c. Magnetism
- d. Gravity

____ 3. Protons and neutrons in the nucleus are held together by:

- a. gravity.
- b. electromagnetic force.
- c. the strong nuclear force.
- d. the weak force

____ 4. Many models have been developed to explain the nature of atoms. The model that helped scientists to understand energy levels of atoms was developed by:

- a. Niels Bohr.
- b. Albert Einstein.
- c. Sir Isaac Newton.
- d. Richard Feynman.

____ 5. An atom contains _____ in various energy levels.

- a. neutrons
- b. protons
- c. electrons
- d. ions

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