

Name: \_\_\_\_\_

Date: \_\_\_\_\_

1. What is the definition of electricity?

- A. Movement of protons from one atom to another.
- B. Movement of electrons within an atom.
- C. Movement of electrons from one atom to another.
- D. Exchange of protons and neutrons within an atom.

2. Which of the following is NOT a component of an atom's nucleus?

- A. Proton
- B. Neutron
- C. Electron
- D. Positron

3. What determines the material and how electricity is conducted in an atom?

- A. Number of neutrons
- B. Number of electrons and protons
- C. Number of electrons only
- D. Number of protons only

4. What is the charge of an atom when the number of negative-charged electrons is balanced with the same number of positive-charged protons?

- A. Positive
- B. Negative
- C. Neutral
- D. Variable

5. Which of the following materials is NOT an insulator?

- A. Rubber
- B. Glass
- C. Aluminum
- D. Wood

6. How many electrons can the valence ring of an atom hold if it is considered a conductor?

- A. More than 4
- B. Less than 4
- C. Exactly 4
- D. None

7. Which of the following is NOT a semiconductor?

- A. Silicon
- B. Germanium
- C. Carbon
- D. Copper

8. What type of electricity is produced when pieces of two different metals are joined together at both ends and one junction is heated?

- A. Electrochemistry
- B. Piezoelectricity
- C. Thermoelectricity
- D. Photoelectricity

9. Which of the following is NOT a source of electricity mentioned in the chapter?

- A. Heat
- B. Light
- C. Sound
- D. Friction

10. What happens when an atom loses any electrons?

- A. It becomes neutral.
- B. It becomes positively charged.
- C. It becomes negatively charged.
- D. It remains unchanged.

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Chapter 36

Multiple Choice Quiz A

Answer Key

1. C

2. C

3. B

4. C

5. C

6. B

7. D

8. C

9. C

10. B