

Automotive Technology 7th Edition
Chapter 36: Electrical Fundamentals
Short Answer Quiz

Name:

Date:

1. Explain the concept of electricity as described in the document.
2. Describe the composition of an atom and how it relates to the movement of electricity.
3. What are the charges associated with protons, neutrons, and electrons in an atom?
4. Differentiate between conductors, insulators, and semiconductors based on the number of electrons in their outer orbit. Provide examples of each.
5. How does the movement of electrons define the flow of electricity?

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6. Discuss the phenomenon of thermoelectricity and its discovery.

7. What is the significance of the Peltier effect, and where is it commonly used?

8. Explain the concept of photoelectricity and its applications.

9. Describe the behavior of ions when an atom loses or gains electrons.

10. How do positive and negative charges within an atom compare to the north and south poles of a magnet?