

Automotive Technology 7<sup>th</sup> Edition  
Chapter 36: Electrical Fundamentals  
Short Answer Quiz

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

1. Explain the concept of electricity as described in the document.

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2. Describe the composition of an atom and how it relates to the movement of electricity.

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3. What are the charges associated with protons, neutrons, and electrons in an atom?

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4. Differentiate between conductors, insulators, and semiconductors based on the number of electrons in their outer orbit. Provide examples of each.

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5. How does the movement of electrons define the flow of electricity?

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

6. Discuss the phenomenon of thermoelectricity and its discovery.

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

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8. Explain the concept of photoelectricity and its applications.

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

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

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