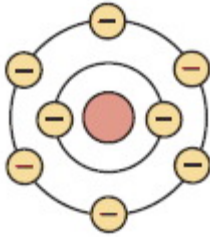


Name \_\_\_\_\_

**MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.**

- 1) The outer electron shell is known as a(an) \_\_\_\_\_. 1) \_\_\_\_\_
- A) Valence ring
  - B) Distant ring
  - C) Unstable shell
  - D) None of these

- 2) What type of material is indicated by this atomic structure? 2) \_\_\_\_\_



- A) Insulator
  - B) Conductor
  - C) Semi-conductor
  - D) Coaxial
- 3) Technician A says that a two-wire variable resistor is called a rheostat. Technician B says that a three-wire variable resistor is called a potentiometer. Which technician is correct? 3) \_\_\_\_\_
- A) Technician A
  - B) Technician B
  - C) Both technicians
  - D) Neither technician

- 4) Technician A says that resistance increases as the diameter of a conductor increases. Technician B says that resistance increases as the temperature of a conductor increases. Which technician is correct? 4) \_\_\_\_\_
- A) Technician A
  - B) Technician B
  - C) Both technicians
  - D) Neither technician

- 5) Insulators lose electrons in their outer shell easier than conductors. 5) \_\_\_\_\_
- A) True
  - B) False

- 6) Carbon and silicon are examples of \_\_\_\_\_. 6) \_\_\_\_\_
- A) Semiconductors
  - B) Insulators
  - C) Conductors
  - D) Coulombs

- 7) Which of these is also known as electrical potential? 7) \_\_\_\_\_  
A) Volts  
B) Amps  
C) Ohms  
D) None of these
- 8) A potentiometer usually has how many wires? 8) \_\_\_\_\_  
A) Three  
B) Two  
C) Four  
D) None of these
- 9) The automotive battery is based on the principle of 9) \_\_\_\_\_  
A) Electrochemistry  
B) Photoelectricity  
C) Piezoelectric energy  
D) None of these
- 10) Which unit of electricity does the work in the circuit? 10) \_\_\_\_\_  
A) A volt  
B) An ampere  
C) An ohm  
D) A coulomb

## Answer Key

Testname: AAEE\_1A

1) A

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2) A

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3) C

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4) B

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5) B

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6) A

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7) A

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8) A

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9) A

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10) B

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