

Name _____

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

- 1) Insulators lose electrons in their outer shell easier than conductors. 1) _____
A) True
B) False

- 2) What term describes the movement of electrons from one atom to another? 2) _____
A) Electricity
B) Energy transfer
C) Chain reaction
D) None of these

- 3) Like charges _____ 3) _____
A) Attract
B) Repel
C) Neutralize each other
D) Add

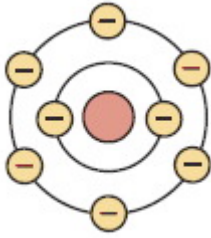
- 4) The _____ is a unit of electrical resistance. 4) _____
A) Coulomb
B) Volt
C) Ampere
D) Ohm

- 5) As the length of a wire is increased, _____. 5) _____
A) The resistance of the wire decreases
B) The resistance of the wire increases
C) The resistance of the wire remains the same
D) The voltage of the wire decreases

- 6) Which of the following are conductors? 6) _____
A) Gold
B) Silver
C) Copper
D) All of the above

7) What type of material is indicated by this atomic structure?

7) _____



- A) Insulator
- B) Conductor
- C) Semi-conductor
- D) Coaxial

8) Semiconductors have how many electrons in their outer orbit?

8) _____

- A) Four
- B) Less than four
- C) More than four
- D) None of these

9) Electromotive force is another term for _____.

9) _____

- A) Voltage
- B) Current
- C) Resistance
- D) None of these

10) 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?

10) _____

- A) Technician A
- B) Technician B
- C) Both technicians
- D) Neither technician

Answer Key

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1) B

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2) A

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3) B

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4) D

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5) B

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6) D

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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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