

Name _____

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

- 1) Which variable resistor is most likely used for a dash light dimmer control? 1) _____
A) Rheostat
B) Potentiometer
C) Piezoelectric
D) None of these

- 2) It is relatively easy to move an electron from the valence ring of a conductor. 2) _____
A) True
B) False

- 3) Creating electricity by exerting force on a crystal is called _____. 3) _____
A) electrochemistry
B) piezoelectricity
C) thermoelectricity
D) photoelectricity

- 4) A positively charged atom is called a(n) _____. 4) _____
A) neutron
B) quark
C) ion
D) None of these

- 5) Carbon and silicon are examples of _____. 5) _____
A) semiconductors
B) insulators
C) conductors
D) photoelectric materials

- 6) Most carbon resistors indicate their electrical resistance by _____. 6) _____
A) color coded markings
B) shape
C) printed numbers indicating resistance in ohms
D) None of these

- 7) Which of these describes electrical power? 7) _____
A) Watts
B) Volts
C) Amps
D) None of these

8) 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? 8) _____

- A) Technician A only
- B) Technician B only
- C) Both technicians A and B
- D) Neither technician A nor B

9) Which term describes electrical current resulting from pressure applied to certain crystals? 9) _____

- A) Piezoelectricity
- B) Photoelectricity
- C) Thermodynamics
- D) None of these

10) Semiconductors have how many electrons in their valence rings? 10) _____

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

Answer Key

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1) A

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2) A

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3) B

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4) C

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5) A

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6) A

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7) A

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8) B

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9) A

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10) A

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