

Name \_\_\_\_\_

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

- 1) Creating electricity by exerting force on a crystal is called \_\_\_\_\_. 1) \_\_\_\_\_
  - A) electrochemistry
  - B) piezoelectricity
  - C) thermoelectricity
  - D) photoelectricity
  
- 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) 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 only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician
  
- 4) The outer electron shell is known as a(n) \_\_\_\_\_. 4) \_\_\_\_\_
  - A) valence ring
  - B) distant ring
  - C) unstable shell
  - D) None of these
  
- 5) The fact that voltage can be created by exerting force on a crystal is used for which type of sensor? 5) \_\_\_\_\_
  - A) Throttle position (TPS)
  - B) Manifold absolute pressure (MAP)
  - C) Barometric sensor (BARO)
  - D) Knock sensor (KS)
  
- 6) Which device produces electrical current resulting from the heating of two dissimilar conductors? 6) \_\_\_\_\_
  - A) Thermocouple
  - B) Volt meter
  - C) Ammeter
  - D) None of these
  
- 7) Which of these is also known as electrical potential? 7) \_\_\_\_\_
  - A) Volts
  - B) Amps
  - C) Ohms
  - D) None of these

- 8) Electricity moving through a conductor produces a magnetic field. This principle is used in which of the following? 8) \_\_\_\_\_
- A) Ignition coil
  - B) Starter motor
  - C) Relay
  - D) All of these
- 9) Electrical power (watts) is calculated by \_\_\_\_\_. 9) \_\_\_\_\_
- A) multiplying volts by current
  - B) dividing voltage by current
  - C) multiplying volts by ohms
  - D) none of these
- 10) The automotive battery is based on the principle of \_\_\_\_\_. 10) \_\_\_\_\_
- A) electrochemistry
  - B) photoelectricity
  - C) piezoelectric energy
  - D) none of these

## Answer Key

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1) B

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2) A

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3) C

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4) A

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5) D

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6) A

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7) A

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8) D

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9) A

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10) A

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