

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