Fleet Multi-Temp Quiz 5

Name:_____ Number Correct:____/10

Multiple Choice
Identify the choice that best completes the statement or answers the question.
This quiz should take approximately 15 minutes to complete.

1. If resistance is increased in a circuit with constant source voltage:
    a. Current flow stops.
    b. Amperage increases.
    c. Amperage decreases.
    d. Voltage always stays the same.

2. Electrical pressure is _____ and electrical flow is _____.
    a. Amps, volts.
    b. Volts, amps.
    c. Resistance, amps.
    d. Amps, resistance.

3. Which of the following is an electromagnetic device?
    a. Relay
    b. Solenoid
    c. Alternator
    d. All of the above.

4. Which component controls high amp circuits with low amp control?
    a. Microprocessor
    b. Alternator
    c. Switch
    d. Relay

5. The _____ provides voltage spike protection for electromagnetic devices.
    a. Fuse
    b. Circuit breaker
    c. Arc suppression diode
    d. Microprocessor

6. Which meter requires the component to be electrically disconnected before taking the reading?
    a. Voltmeter
    b. Ammeter
    c. Manometer
    d. Ohmmeter

7. To create, or induce, voltage, you must have:
    a. A magnetic field, a conductor and movement between the two.
    b. A magnetic field, a conductor and stationary windings.
    c. Two conductors and movement between them.
    d. A conductor and a collapsing magnetic field.

8. The voltage regulator controls alternator output by controlling voltage into the:
    a. Stator winding.
    b. Capacitor plates.
    c. Regulator.
    d. Field winding.

9. When diagnosing an alternator that does not charge:
    a. Replace the alternator harness because the resistor is broken.
    b. Check for voltage at the 2A, D+, and AC tap terminals at the alternator.
    c. Check for voltage on the output, sense and excite terminals at the alternator.
    d. Replace the F15 fuse on the relay board.

10. Which of the following alternator terminals is used by the voltage regulator to determine the battery's level of charge?
    a. B+
    b. EXC
    c. SEN
    d. FLD