

Name: _____

Date: _____

1. What is the primary purpose of the charging system in a vehicle?
 - A. To generate AC current
 - B. To keep the battery fully charged
 - C. To regulate the engine temperature
 - D. To control the vehicle's speed

2. Which term is most commonly used in the trade to refer to the unit that generates electricity?
 - A. Generator
 - B. Transformer
 - C. Alternator
 - D. Converter

3. Electromagnetic induction involves the generation of electric current in a conductor when the conductor is moved through what?
 - A. An electric field
 - B. A vacuum
 - C. A resistor
 - D. A magnetic field

4. What material is used for the construction of an alternator's housing due to its lightweight and nonmagnetic properties?
 - A. Steel
 - B. Copper
 - C. Aluminum
 - D. Iron

5. The front housing of an alternator is also referred to as the:
 - A. Slip-ring-end (SRE) housing
 - B. Drive-end (DE) housing
 - C. Rotor housing
 - D. Stator housing

6. An alternator generates which type of current due to the change in polarity during its rotation?
 - A. Direct Current (DC)
 - B. Static Current
 - C. Residual Current
 - D. Alternating Current (AC)

7. Diodes inside the alternator serve the purpose of:
 - A. Amplifying the current
 - B. Changing AC to DC
 - C. Storing the current
 - D. Reducing the current

8. Which mode of a computer-controlled charging system is activated when the battery state of charge is less than 80%?

- A. Fuel economy mode
- B. Charge mode
- C. Voltage reduction mode
- D. Start-up mode

9. In a computer-controlled charging system, the target voltage is limited to how many volts during the voltage reduction mode?

- A. 12.7 volts
- B. 13.9 volts
- C. 14.5 volts
- D. 15.5 volts

10. Which mode is selected when the **headlights** are on in a computer-controlled charging system?

- A. **Headlight** mode
- B. Battery sulfation mode
- C. Start-up mode
- D. Charge mode

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Chapter 51

Multiple Choice Quiz A

Answer Key

1. B

2. C

3. D

4. C

5. B

6. D

7. B

8. B

9. A

10. A