

Name: _____

Date: _____

1. What is the significance of the symbols S and O in the context of the chapter?
 - A. Silicon and Oxygen
 - B. Sulfur and Oxygen
 - C. Sodium and Osmium
 - D. Selenium and Ozone

2. What is the primary purpose of an automotive battery?
 - A. Powering the headlights
 - B. Charging the vehicle's entertainment system
 - C. Providing electrical power for starting and for electrical demands exceeding alternator output
 - D. Powering the vehicle's air conditioning system

3. What is the specific gravity of pure sulfuric acid?
 - A. 1.000
 - B. 1.265
 - C. 1.280
 - D. 1.835

4. What is the built-in state-of-charge indicator in some batteries commonly called?
 - A. Red eye
 - B. Blue eye
 - C. Green eye
 - D. Yellow eye

5. How are cells constructed in a battery?
 - A. Using positive and negative plates with insulating separators between each plate.
 - B. Using only positive plates.
 - C. Using only negative plates.
 - D. Using alternating layers of metal and acid.

6. How many volts does each cell produce in a battery?
 - A. 1.0 volt
 - B. 1.5 volts
 - C. 3.0 volts
 - D. 2.1 volts

7. What determines the amperage capacity of a battery?
 - A. The weight of the battery.
 - B. The number of cells in the battery.
 - C. The specific gravity of the electrolyte.
 - D. The amount of active plate material in the battery and the area of the plate material exposed to the electrolyte.

8. What is the major cause of premature battery failure?
- A. Undercharging
 - B. Overcharging
 - C. Physical damage
 - D. Age
9. What happens to the acid during the charging of a battery?
- A. It is converted to water.
 - B. It is forced from both plates and enters the electrolyte.
 - C. It evaporates.
 - D. It solidifies.
10. What is the primary function of the battery's charge indicator?
- A. Detecting battery voltage.
 - B. Measuring the internal resistance of the cells.
 - C. Detecting specific gravity.
 - D. Measuring the electrolyte water pH.

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Multiple Choice Quiz B

Answer Key

1. B

2. C

3. D

4. C

5. A

6. D

7. D

8. B

9. B

10. C