

Name: _____

Date: _____

1. What is the specific gravity of pure sulfuric acid?

- A. 1.000
- B. 1.265
- C. 1.280
- D. 1.835

2. 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

3. How are cells constructed in a battery?

- A. Using only positive plates.
- B. Using only negative plates.
- C. Using positive and negative plates with insulating separators between each plate.
- D. Using alternating layers of metal and acid.

4. How many volts does each cell produce in a battery?

- A. 2.1 volts
- B. 1.0 volt
- C. 1.5 volts
- D. 3.0 volts

5. What determines the amperage capacity of a battery?

- C. The amount of active plate material in the battery and the area of the plate material exposed to the electrolyte.
- B. The weight of the battery.
- C. The number of cells in the battery.
- D. The specific gravity of the electrolyte.

6. What is the major cause of premature battery failure?

- A. Undercharging
- B. Overcharging
- C. Physical damage
- D. Age

7. 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.

8. What is the primary function of the battery's charge indicator?

- A. To detect battery voltage.
- B. To measure the internal resistance of the cells.
- C. To detect specific gravity.
- D. To measure the electrolyte water pH.

9. What is the term used for the escape of gases from a battery during charging or discharging?

- A. Gassing
- B. Evaporation
- C. Venting
- D. Emission

10. In a battery, what is the role of separators?

- A. To connect positive and negative plates.
- B. To insulate between positive and negative plates.
- C. To store excess electrolyte.
- D. To increase the voltage of the battery.

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Chapter 47

Multiple Choice Quiz B

Answer Key

1. D

2. C

3. C

4. A

5. A

6. B

7. B

8. C

9. A

10. B