

Automotive Technology 7th Edition
Chapter 47: Automotive 12-Volt Batteries
Matching Quiz

Name: _____ Date: _____

Matching: Choose the item in column 2 that best matches each item in column 1.

- | | | |
|--------------------------------------|--|-----------|
| 1. SLI Battery | A. A process where lead sulfate re-crystallizes into hard lead sulfate when a battery is left in a discharged condition. | 1. _____ |
| 2. Sediment Chamber | B. The acid solution in a battery, typically a liquid combination of 36% sulfuric acid and 64% water. | 2. _____ |
| 3. Grids | C. Conventional batteries that use a liquid electrolyte and have vents to allow gases to escape. | 3. _____ |
| 4. Gassing | D. Frameworks, primarily made of lead, that hold active material and provide electrical pathways in a battery. | 4. _____ |
| 5. Electrolyte | E. Describes a typical automotive battery used for starting, lighting, and ignition. | 5. _____ |
| 6. Specific Gravity | F. The number of amperes a battery can supply at 0°F (-18°C) for 30 seconds while maintaining at least 1.2 volts per cell. | 6. _____ |
| 7. Flooded Lead Acid (FLA) Batteries | G. The release of hydrogen and oxygen from a battery that occurs during charging and results in water usage. | 7. _____ |
| 8. Absorbed Glass Mat (AGM) Battery | H. Space at the bottom of a battery where ribs support lead-alloy plates and allow sediment to settle. | 8. _____ |
| 9. Sulfation | I. The ratio of the weight of a given volume of electrolyte to the weight of an equal volume of water, indicating the battery's state of charge. | 9. _____ |
| 10. Cold-Cranking Amperes (CCA) | J. A battery where the acid is totally absorbed into a separator, making it leak-proof and spill-proof. | 10. _____ |

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Answer Key

Answer Key:

1. E
2. H
3. D
4. G
5. B
6. I
7. C
8. J
9. A
10. F