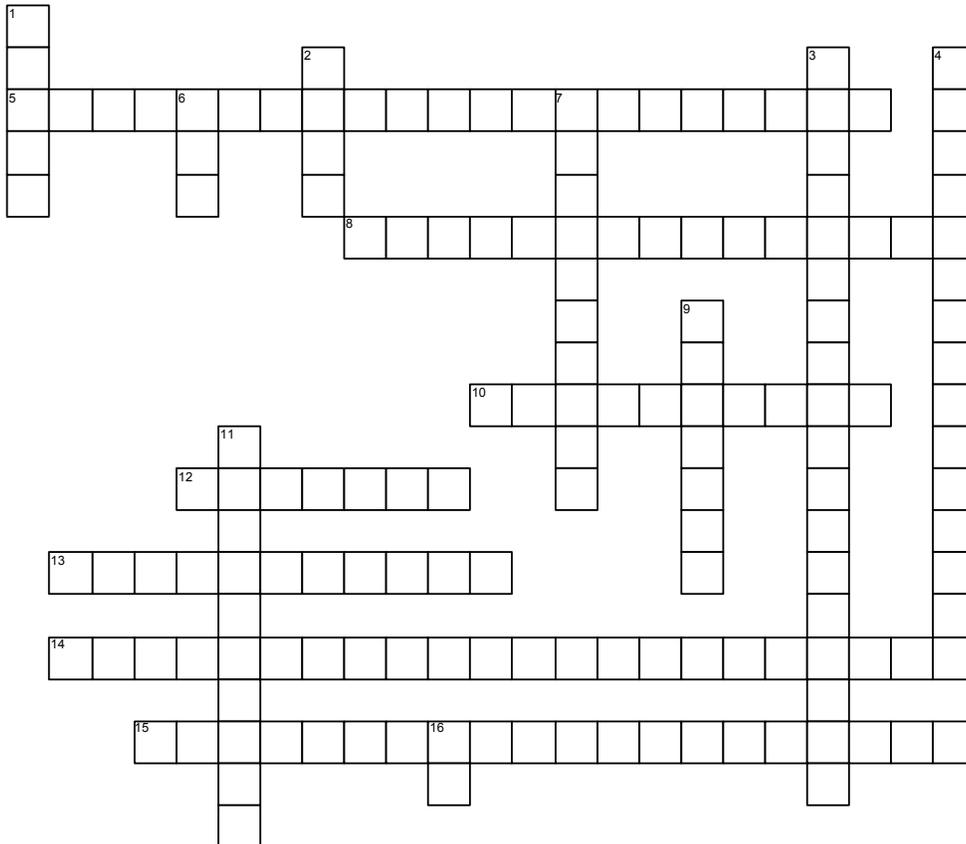


Batteries

Chapter 8



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ACROSS

- 5 Maintenance-free batteries are also called _____.
- 8 Built into the bottom of many batteries are ribs that support the lead-alloy plates and provide a space for sediment to settle, called the _____.
- 10 _____ is a pure, porous lead.
- 12 _____ is the release of hydrogen and oxygen from the battery that occurs during charging and results in water usage.
- 13 _____ is the term used to describe the acid solution in a battery.
- 14 A _____-_____ uses little water during normal service because of the alloy material used to construct the battery plate grids.
- 15 Conventional batteries that use a liquid electrolyte are called _____.

DOWN

- 1 _____ are constructed of positive and negative plates with insulating separators between each plate.
- 2 Each positive and negative plate in a battery is constructed on a framework, or _____, made primarily of lead.
- 3 A _____ means that the oxygen gas generated at the positive plate travels through the dense electrolyte to the negative plate.
- 4 The _____ rating for batteries is the number of minutes for which the battery can produce 25 amperes and still have a battery voltage of 1.75 volts per cell (10.5 volts for a 12-volt battery).
- 6 The acid used in an _____ battery is totally absorbed into the separator, making the battery leak proof and spill proof.
- 7 _____ is an older battery rating system that measures how many amperes of current the battery can produce over a period of time.
- 9 A cell is also called an _____.
- 11 Each cell is separated from the other cells by _____, which are made of the same material as that used for the outside case of the battery.
- 16 The designation _____ refers to the number of amperes that can be supplied by a battery at 32°F (0°C).