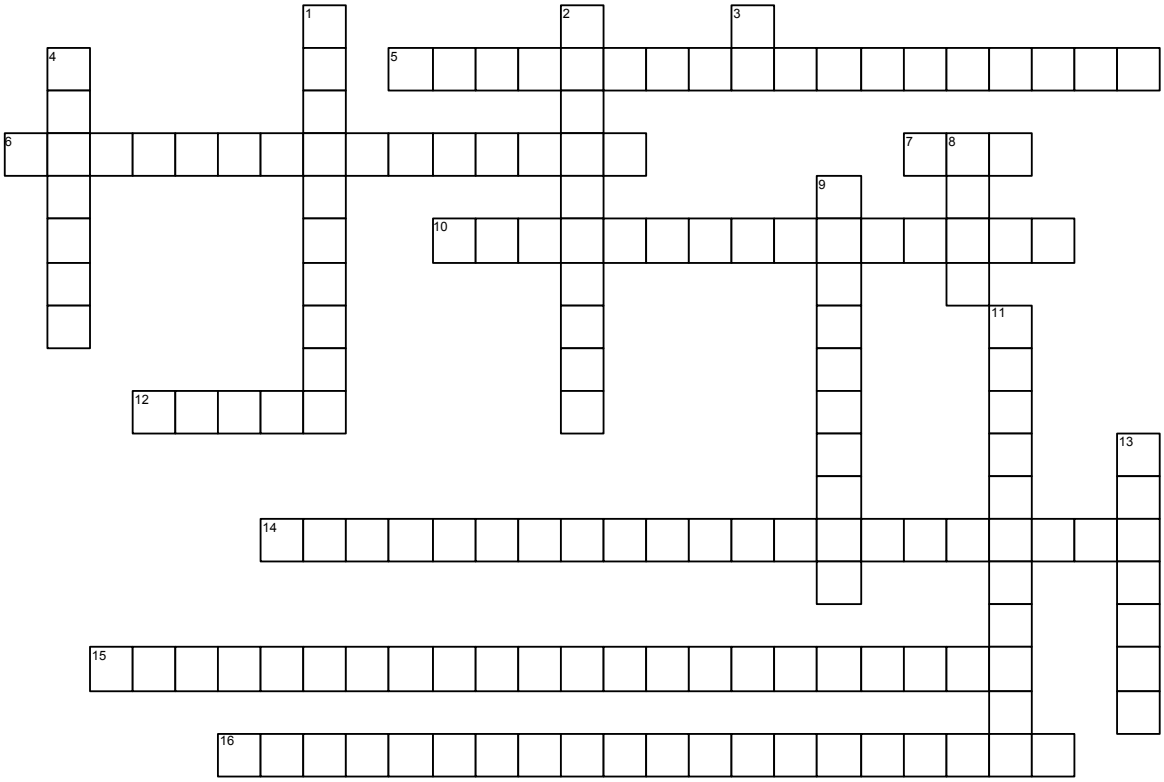
Batteries

Chapter 29



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ACROSS

5 A _____ _____ means that the oxygen gas generated at the positive plate travels through the dense electrolyte to the negative plate.

6 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 _____ _____.

7 The acid used in an ___ battery is totally absorbed into the separator, making the battery leak proof and spill proof.

10 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).

12 _____ are constructed of positive and negative plates with insulating separators between each plate.

14 Maintenance-free batteries are also called ___-_____-____ _____.

15 A _____-____ _____ uses little water during normal service because of the alloy material used to construct the battery plate grids.

16 Conventional batteries that use a liquid electrolyte are called _____ ____ _____.

DOWN

1 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.

2 _____ ____ is an older battery rating system that measures how many amperes of current the battery can produce over a period of time.

3 The designation __ refers to the number of amperes that can be supplied by a battery at 32°F (0°C).

4 A cell is also called an _____.

8 Each positive and negative plate in a battery is constructed on a framework, or ____, made primarily of lead.

9 _____ ____ is a pure, porous lead.

11 _____ is the term used to describe the acid solution in a battery.

13 _____ is the release of hydrogen and oxygen from the battery that occurs during charging and results in water usage.