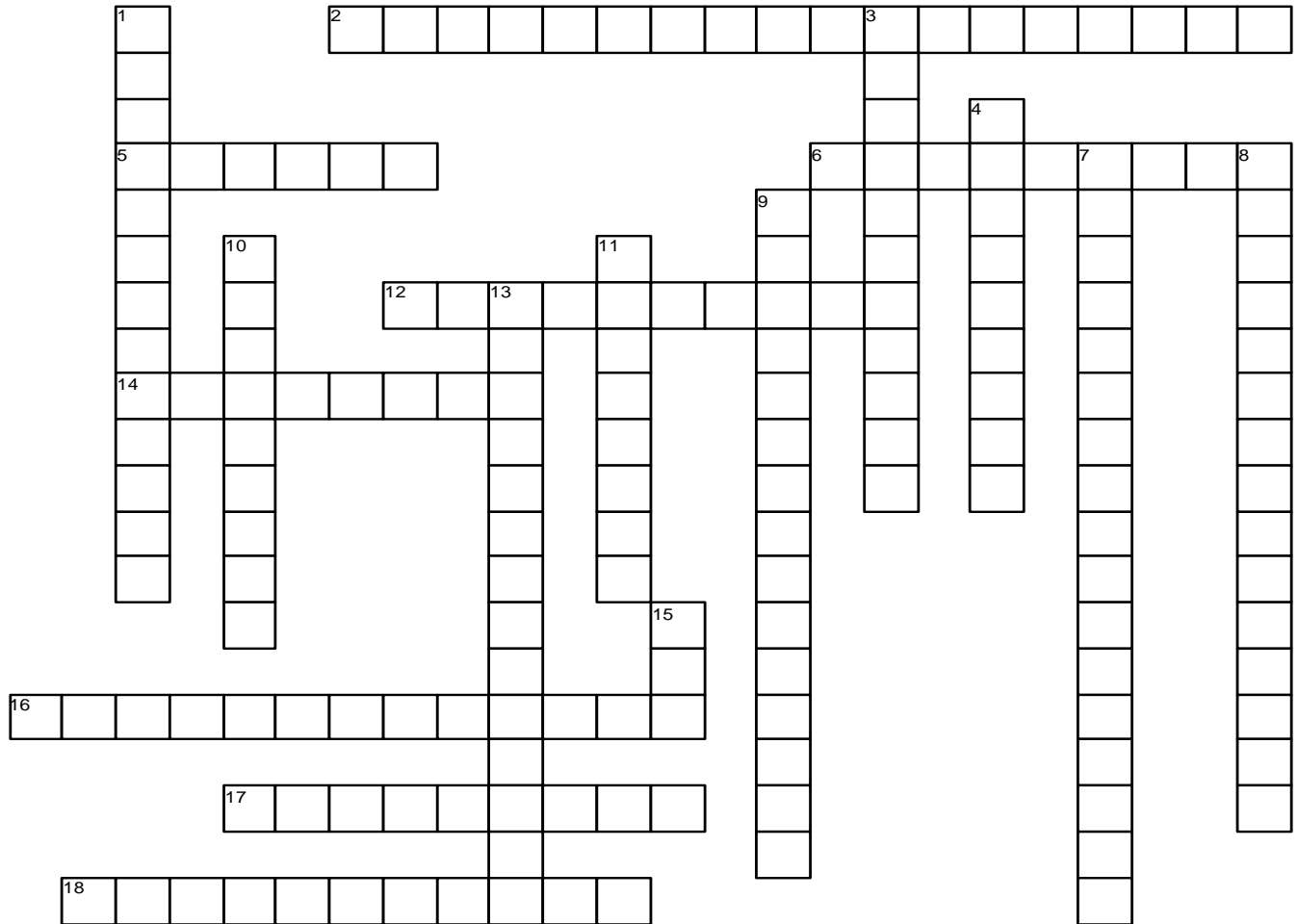


12-Volt Battery Testing And Service

Chapter 48



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ACROSS

- 2 One symptom of a weak or defective battery is _____ on battery cables or connectors.
- 5 Batteries can be tested with a conductance _____ even if discharged.
- 6 The fastest and easiest method to measure battery electrical drain is to connect an _____ DC ammeter that is capable of measuring low current (10 milliamperes).
- 12 A _____ is a tester that measures the specific gravity.
- 14 Battery maintenance includes making certain that the battery case is clean and checking that the battery cables and _____ fasteners are clean and tight.
- 16 Another name for the battery electrical drain test is the _____ test.
- 17 One symptom of a weak or defective battery is that it _____ in one or more cells.
- 18 Some vehicles, usually European brands, use an _____ battery system that monitors the battery operation including state of charge, voltage, and temperature.

DOWN

- 1 Testing the battery voltage with a voltmeter is a simple method for determining the _____ of any battery.
- 3 _____ voltage is the voltage that exists without a load being applied.
- 4 To _____ another vehicle with a dead batter, connect good-quality copper jumper cables or a jump box to the good battery and the dead battery.
- 7 A _____ test is used to check if a battery is sulfated.
- 8 The battery _____ test determines if any component or circuit in a vehicle is causing a drain on the battery with everything off.
- 9 The first step for _____ is to determine the charge rate.
- 10 Be sure the battery charger is _____ from the power outlet when making connections to a battery.
- 11 One test to determine the condition of any battery is the _____.
- 13 _____ is the voltage of the power source with the circuit in operation.
- 15 Another name for the battery electrical drain test is the _____ test.