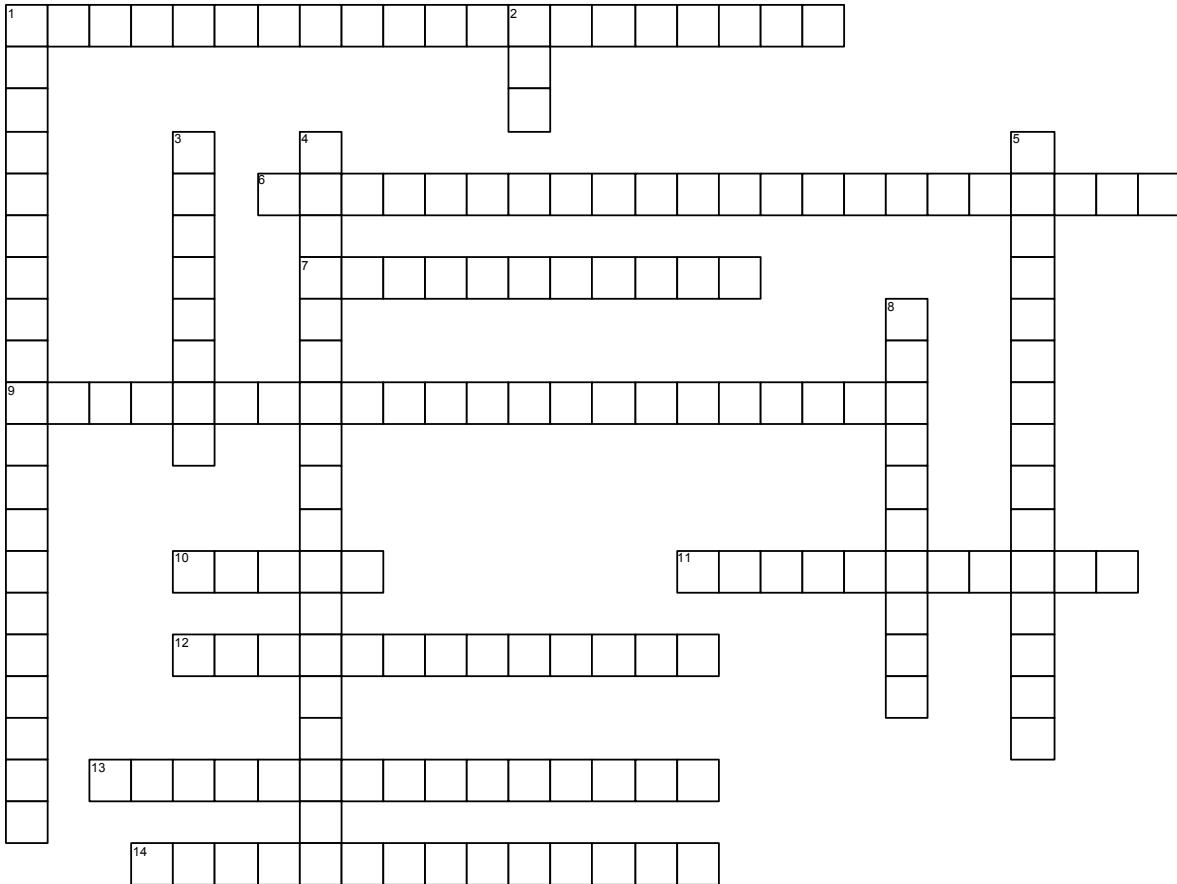


Series, Parallel, And Series-Parallel Circuits

Chapter 41



<http://jameshaldeman.com>

ACROSS

- 1 _____ states
The voltage around any closed circuit is equal to the sum of the voltage drops across the resistance.
- 6 If _____ is needed, Ohm's law can be used to calculate it if voltage and current are known.
- 7 _____ speeds are usually controlled by a fan switch sending current through high-, medium-, or low-resistance wire resistors.
- 9 _____ are a combination of series and parallel segments in one complex circuit.
- 10 Another name for a branch is a _____.
- 11 The _____ can be determined by using Ohm's law and calculating for voltage using the value of each resistance individually.

- 12 A _____ is a complete circuit that has more than one electrical load where all of the current has only one path to flow through all of the loads.
- 13 Another name for a series-parallel circuit is a _____.
- 14 Because an _____ needs both a power and a ground to operate, a break anywhere in a series circuit will cause the current in the circuit to stop.

DOWN

- 1 _____ states
The current flowing into any junction of an electrical circuit is equal to the current flowing out of that junction.
- 2 Another name for a branch is a _____.
- 3 The separate paths which split and meet at junction points are called _____.

- 4 Another name for a series-parallel circuit is a _____.
- 5 A _____ is a complete circuit that has more than one path for the current.
- 8 Most vehicles are equipped with a method of dimming the brightness of the _____ by turning a variable resistor.