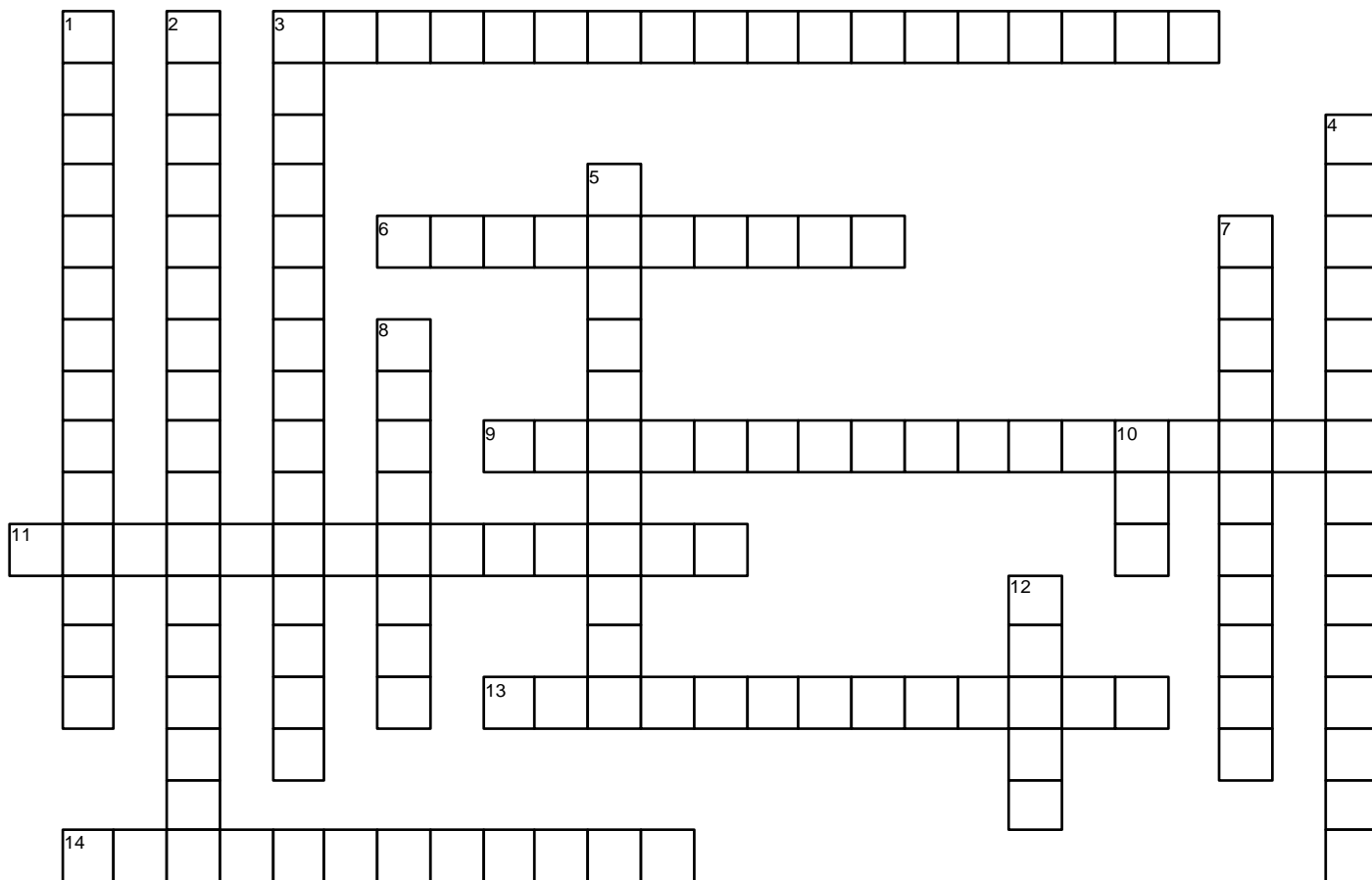


Series, Parallel, And Series-Parallel Circuits

Chapter 38



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ACROSS

- 3 Another name for a series-parallel circuit is a _____.
- 6 Most vehicles are equipped with a method of dimming the brightness of the _____ by turning a variable resistor.
- 9 _____ law states: The voltage around any closed circuit is equal to the sum of the voltage drops across the resistance.
- 11 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.
- 13 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.
- 14 If _____ resistance is needed, Ohm's law can be used to calculate it if voltage and current are known.

DOWN

- 1 _____-_____ circuits are a combination of series and parallel segments in one complex circuit.
- 2 _____ law states: The current flowing into any junction of an electrical circuit is equal to the current flowing out of that junction.
- 3 Another name for a series-parallel circuit is a _____.
- 4 A _____ is a complete circuit that has more than one path for the current.
- 5 _____ speeds are usually controlled by a fan switch sending current through high-, medium-, or low-resistance wire resistors.
- 7 The _____ can be determined by using Ohm's law and calculating for voltage using the value of each resistance individually.
- 8 The separate paths which split and meet at junction points are called _____.
- 10 Another name for a branch is a _____.
- 12 Another name for a branch is a _____.