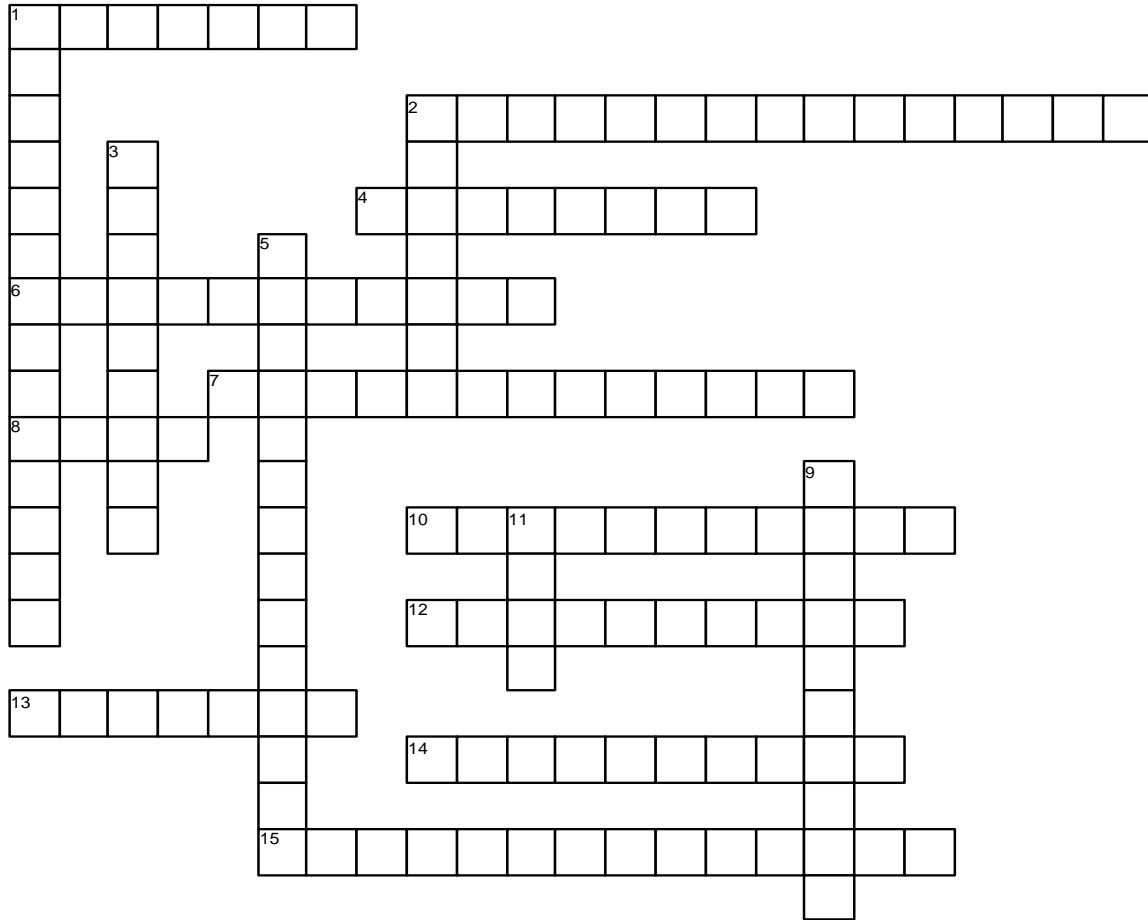


# Electrical Circuits And Ohm's Law

## Chapter 40



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### ACROSS

- 1 If a wire or component is shorted to voltage, it is commonly referred to as being \_\_\_\_\_.
- 2 Every \_\_\_\_\_ contains a power source.
- 4 A defective component or circuit that is shorted to ground is commonly called \_\_\_\_\_.
- 6 An \_\_\_\_\_ is any circuit that is not complete, or that lacks continuity, such as a broken wire.
- 7 A \_\_\_\_\_ is a type of short circuit that occurs when the current bypasses part of the normal circuit and flows directly to ground.
- 8 In a circuit, a light bulb is an example of a \_\_\_\_\_.

- 10 A vehicle's battery is an example of a \_\_\_\_\_.
- 12 A \_\_\_\_\_ for the electrical current from the load back to the power source is part of a complete circuit.
- 13 \_\_\_\_\_ states: It requires 1 volt to push 1 ampere through 1 ohm of resistance.
- 14 A circuit that is continuous throughout is said to have \_\_\_\_\_.
- 15 The \_\_\_\_\_ or resistance which converts electrical energy into heat, light, or motion, is part of a complete circuit.

### DOWN

- 1 A \_\_\_\_\_ occurs when the power side of one

circuit is electrically connected to the power side of another circuit.

- 2 A \_\_\_\_\_ is a complete path that electrons travel from a power source through a load and back to the power source.
- 3 The \_\_\_\_\_ for the current to flow through from the power source to the resistance is part of a complete circuit.
- 5 \_\_\_\_\_ can be caused by corroded connections or sockets.
- 9 \_\_\_\_\_ from harmful overloads is part of a complete circuit.
- 11 A \_\_\_\_\_ is a unit of electrical power represented by a current of 1 ampere through a circuit with a potential difference of 1 volt.