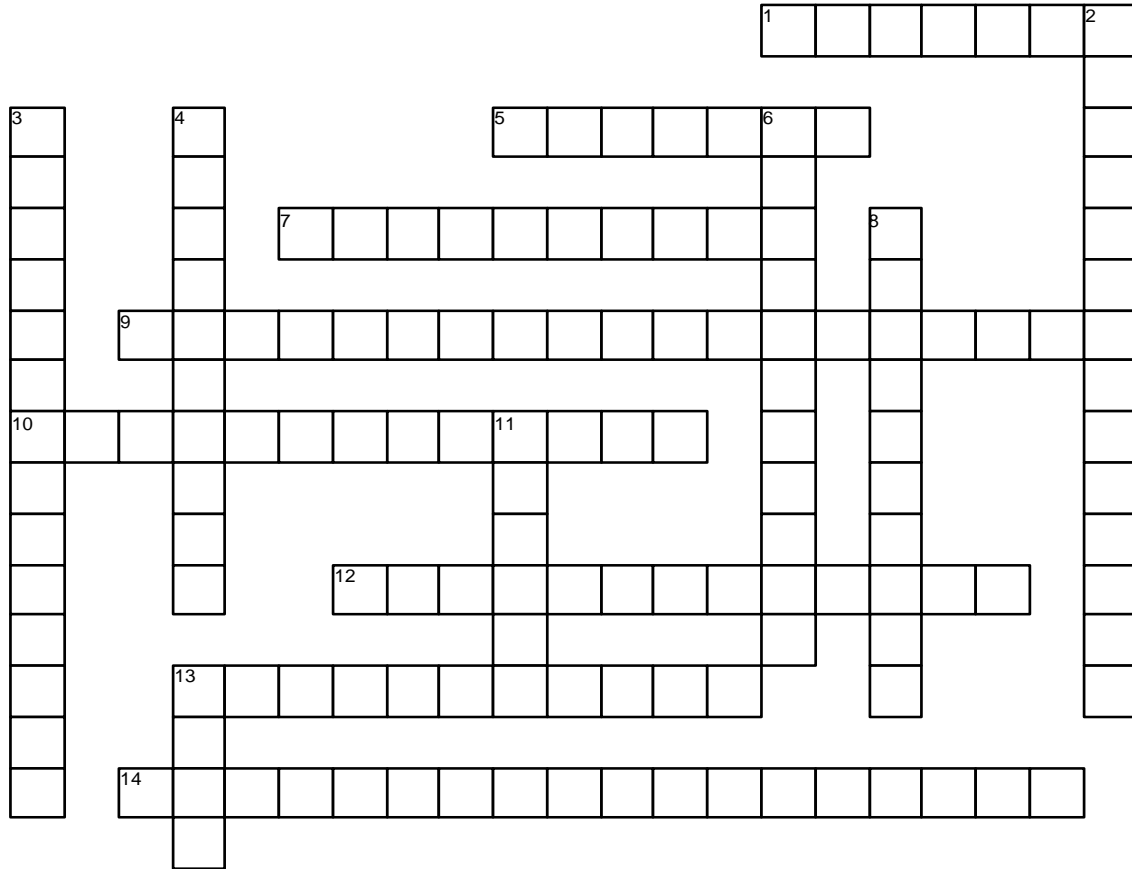


Electrical Fundamentals

Chapter 3



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ACROSS

- 1 A _____ is 6.28 billion billion electrons.
- 5 Amperes are measured by an _____.
- 7 _____ to the flow of current through a conductor is measured in units called ohms.
- 9 Voltage is also called _____, because if there is voltage present in a conductor, there is a possibility for current flow.
- 10 Because the number of negative-charged electrons is balanced with the same number of positive-charged protons, an atom has a _____.
- 12 Loosely held electrons are called _____.
- 13 The outermost electron shell or ring, called the _____, is the most important part of understanding electricity.
- 14 _____ is another way of indicating voltage.

DOWN

- 2 Tightly held electrons are called _____.
- 3 Materials with exactly four electrons in their outer orbit are neither conductors nor insulators, but are called _____.
- 4 _____ are materials with more than four electrons in their atom's outer orbit.
- 6 _____ is the movement of electrons from one atom to another.
- 8 _____ are materials with fewer than four electrons in their atom's outer orbit.
- 11 The _____ is the unit used throughout the world to measure current flow.
- 13 The _____ is the unit of measurement for electrical pressure.