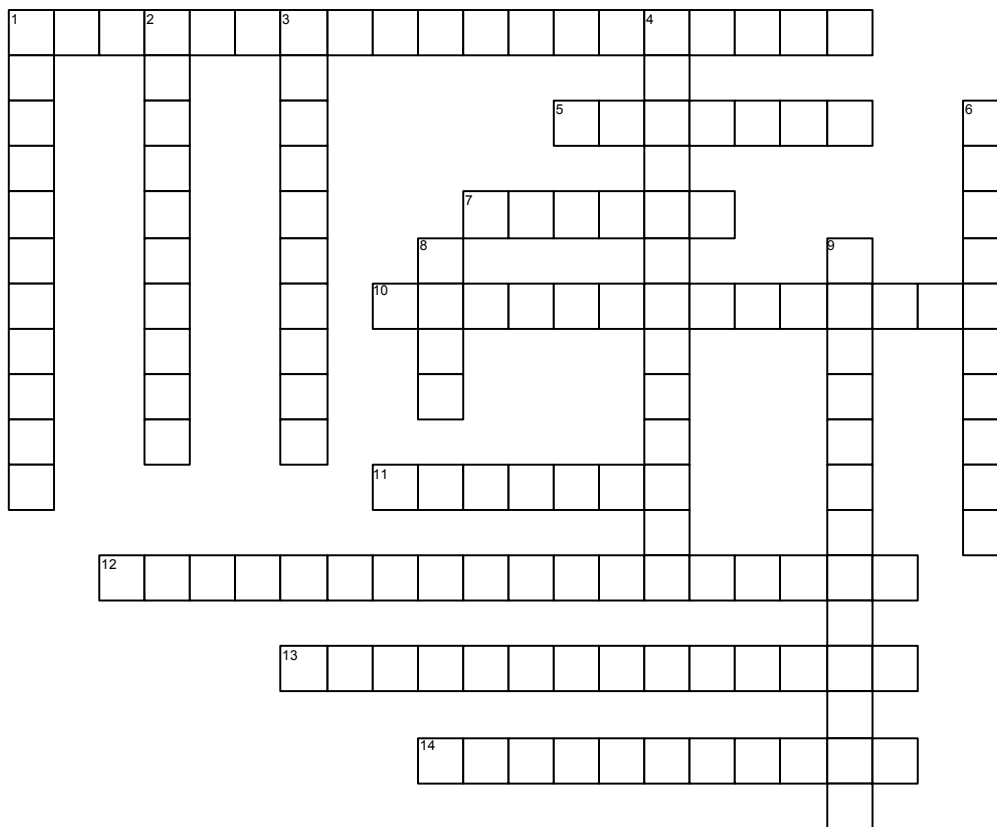


Electrical Fundamentals

Chapter 1



<http://jameshaldeman.com>

ACROSS

- 1 Voltage is also called _____, because if there is voltage present in a conductor, there is a possibility for current flow.
- 5 A _____ is 6.28 billion billion electrons.
- 7 The _____ is the unit used throughout the world to measure current flow.
- 10 Tightly held electrons are called _____.
- 11 Amperes are measured by an _____.
- 12 _____ is another way of indicating voltage.
- 13 Materials with exactly four electrons in their outer orbit are neither conductors nor insulators, but are called _____.
- 14 The outermost electron shell or ring, called the _____, is the most important part of understanding electricity.

DOWN

- 1 _____ is the movement of electrons from one atom to another.
- 2 _____ are materials with fewer than four electrons in their atom's outer orbit.
- 3 _____ are materials with more than four electrons in their atom's outer orbit.
- 4 Because the number of negative-charged electrons is balanced with the same number of positive-charged protons, an atom has a _____.
- 6 _____ to the flow of current through a conductor is measured in units called ohms.
- 8 The _____ is the unit of measurement for electrical pressure.
- 9 Loosely held electrons are called _____.