Electrical Fundamentals
Chapter 39

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 __________ __________.