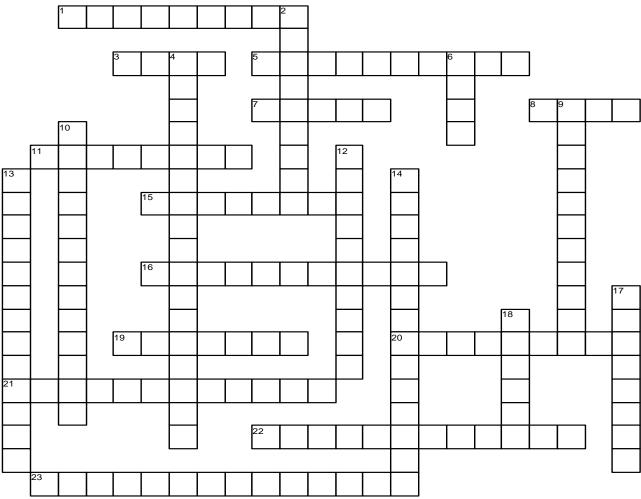
HVAV Electricity And Electronics

Chapter 11



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- ___, sometimes called a diagram, shows electrical components and wiring using symbols and lines to represent components and wires. _, must 3 Each module, also called a _ communicate with other modules. are materials with more than four electrons in their atom's outer orbit. Because they have more than four electrons in their outer orbit, it becomes easier for these materials to acquire (gain) electrons than to release electrons A _____ is a magnetic switch that uses a movable armature to control a highamperage circuit by using a low-amperage electrical switch. The ____ is the unit of measurement for electrical pressure. measures the resistance in ohms of a component or circuit section when no current is flowing through the circuit. 15 The discovery of the electron and its negative charge led to the _ theory, which states that there is electron
- through a complete circuit in units of amperes or milliamperes (1/1,000 of an ampere). **20** A measures the pressure or potential of electricity in units of volts. It was once thought that electricity had only one charge and moved from positive to negative. This theory of the flow of electricity through a conductor is called the _____ theory of current flow. __ connectors contain a sealant and shrink tubing in one piece and are not simply butt connectors. _ is resistance higher than normal circuit resistance usually caused by any of the following: Corroded connections or sockets, Loose terminals in a connector, or Loose ground connections . DOWN 2 The term _usually refers to the plastic portion that snaps or connects together, thereby making the mechanical connection.

from one atom to another.

_ measures the flow of current

____ and digital volt-ohm-

meter are terms commonly used to describe digital meters. 6 Resistance to the flow of current through a conductor is measured in units called __ is any circuit that is not complete, or that lacks continuity, such as is a type of short circuit that occurs when the current bypasses part of the normal circuit and flows directly to ground. ___ are materials with fewer than four electrons in their atom's outer orbit. 13 Materials with exactly four electrons in their outer orbit are neither conductors nor insulators, but are called occurs when the power side of one circuit is electrically connected to the power side of another circuit. is a metal fastener attached to the end of a wire, which makes the electrical connection. _ is the unit used throughout the world to measure current flow.



____ is the movement of electrons

flow from negative to positive.