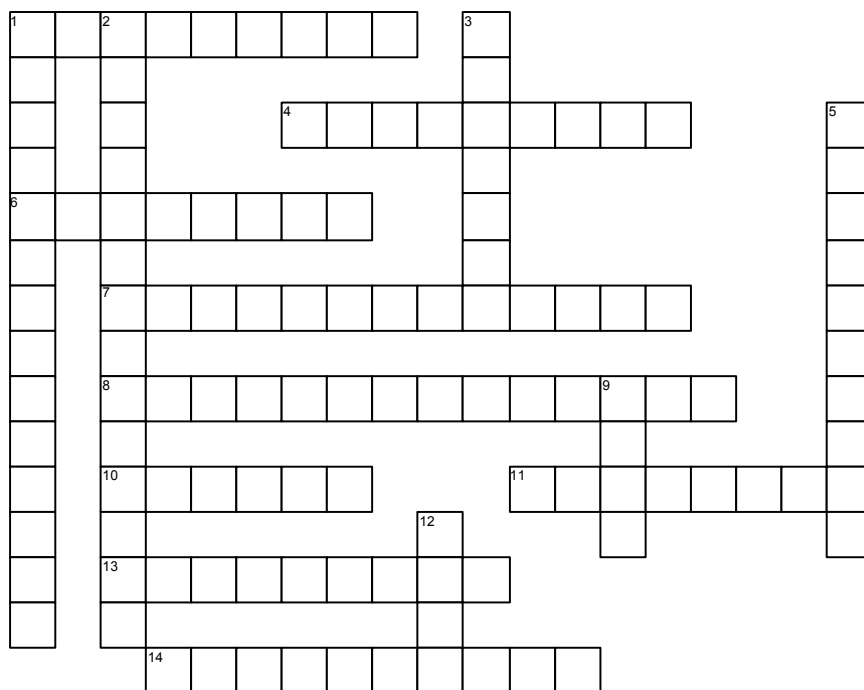


HVAC Electricity and Electronics

Chapter 9



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ACROSS

- 1 A wiring _____ shows electrical components and wiring using symbols and lines to represent components and wires.
- 4 A _____ measures the pressure or potential of electricity in units of volts.
- 6 A _____ is a metal fastener attached to the end of a wire, which makes the electrical connection.
- 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 _____ can be either an insulator or a conductor in different design applications
- 10 The _____ is the unit used throughout the world to measure current flow.
- 11 An _____ measures the resistance in ohms of a component or circuit section when no current is flowing through the circuit.
- 13 The term _____ usually refers to the plastic portion that snaps or connects together, thereby making the mechanical connection.
- 14 _____ are materials with more than four electrons in their atoms' outer orbit.

DOWN

- 1 A _____ occurs when the power side of one circuit is electrically connected to the power side of another circuit.
- 2 _____ can be caused by corroded connections or sockets.
- 3 An _____ measures the flow of current through a complete circuit in units of amperes or milliamperes.
- 5 _____ are materials with fewer than four electrons in their atoms' outer orbit.
- 9 Resistance to the flow of current through a conductor is measured in units called _____.
- 12 The _____ is the unit of measurement for electrical pressure.