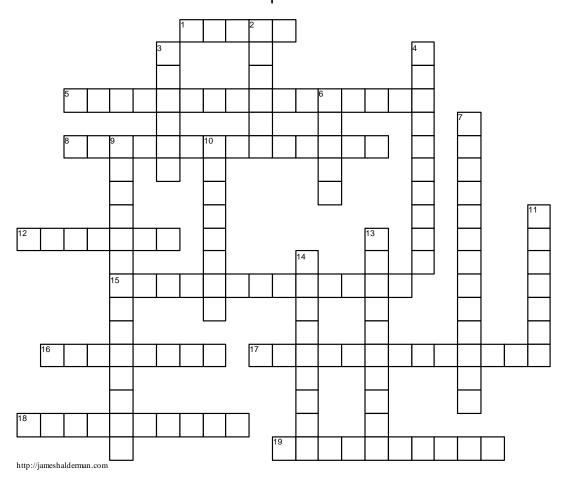
Electronic Fundamentals

Chapter 48



ACROSS

1	The positive electrode of a diode is called the
5	Another name for a clamping diode is a
8	Another name for a clamping diode is a
12	is an example of a semiconductor.
15	is silicon or germanium that is doped with an element such as phosphorus, arsenic, or antimony, each having five electrons in its outer orbit.
16	The point where the two types of materials join in a diode is called the
17	A diode connected across the terminals of a coil to control voltage spikes is called a
18	A is a diode designed to operate with a reverse-bias current.
19	The doping elements are called; therefore after their addition, the germanium and silicon are no longer considered pure elements.

DOWN

2 When another material is added to a semiconductor

	material in very small amounts, it is called
3	A common term heard in the electronic and computer
	industry is, which means to operate an
	electronic devices such as a computer, for a period of
	several hours to several days.
4	A is a semiconductor material, such as
	silicon, that has been doped to provide a given
	resistance.
6	A is an electrical one-way check valve made by
	combining a P-type material and an N-type material.
7	is produced by doping silicon or
	germanium with the element boron or the element
	indium.
9	are materials that contain exactly four
	electrons in the outer orbit of their atom structure and
	are, therefore, neither good conductors nor good
	insulators.
10	An is an electronic circuit that changes DC
	into AC.
11	The negative electrode of a diode is called the
13	A is a semiconductor that, in a circuit, can
	act as an electrical switch, act as a amplifier, and
	regulate current.

____ is an example of a semiconductor.

