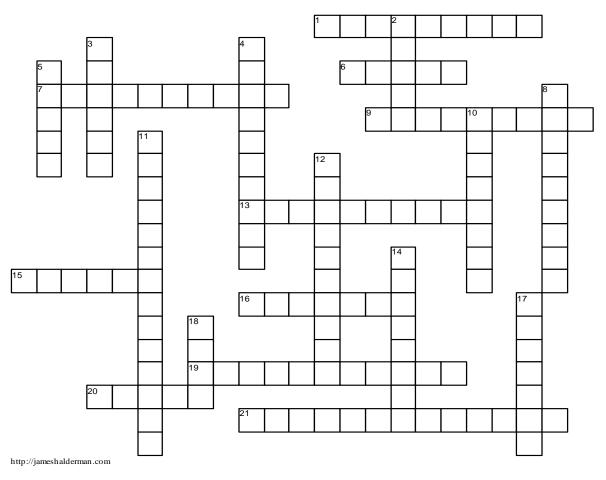
Electronic Fundamentals

Chapter 15



ACROSS

1	Another name for a clamping glode is a
	diode.
6	material is silicon or germanium that is doped
	with an element such as phosphorus, arsenic, or
	antimony, each having five electrons in its outer orbit.
7	The doping elements are called; therefore,
	after their addition, the germanium and silicon are no
	longer considered pure elements.
9	Abridge is a group of diodes that is used to
	change an AC circuit into a DC circuit.
13	A (in a circuit) is a semiconductor device
	that can act as an electrical switch, act as an amplifier,
	or regulate current.
15	means to operate an electronic device, such as
	a computer, for a period from several hours to several
	days.
16	is an example of a semiconductor.
19	Another name for a clamping diode is a
	diode.
20	The positive electrode of a diode is called the
21	A diode connected across the terminals of a coil to
	control voltage spikes is called a

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2	material is produced by doping silicon or
	germanium with the element boron or the element
	indium.
3	When another material is added to a semiconductor
	material in very small amounts, it is called
4	A is a semiconductor material such as
	silicon, that has been doped to provide a given
	resistance.
5	A is an electrical one-way check valve made by
	combining a P-type material and an N-type material.
8	is an example of a semiconductor.
10	Anis an electronic circuit that changes DC
	into AC.
11	are materials that contain exactly four
	electrons in the outer orbit of their atom structure and
	are, therefore, neither good conductors nor good
	insulators.
12	A is a specially constructed diode
	designed to operate with a reverse-bias current.
14	The point where the two types of materials join in a
	diode is called the
17	The negative electrode of a diode is called the
18	The is in the center and the voltage applied to the
	is used to control current through a transistor.

