

Chapter 8

Use with Section 3

REINFORCEMENT**● Electric Circuits**

Use the terms and statements from this box to complete the table.

amount of electric energy used by a device	a circuit that has more than one path for the electric current to follow
a circuit that has only one path for the electric current to follow	George Simon Ohm
kilowatt	kW
Ohm's law	$P = I \times V$
parallel	parallel circuit
power = current \times voltage	series
series circuit	$V = I \times R$
voltage = current \times resistance	W
watt	

IMPORTANT FACTS ABOUT ELECTRIC CIRCUITS

1. There is a relationship among voltage, current, and resistance in an electric circuit.

Name of law:	
Discovered by:	
Expression of law:	
Equation:	

2. There are two types of electric circuits.

Two types of circuits:	1. 2.
Definitions of these circuits	1. 2.

3. The electrical power of a circuit can be measured.

Definition of electrical power:	
Unit of electrical power:	1. Name: 2. Abbreviation: 3. Term for 1000 units: 4. Abbreviation for 1000 units:
Determining the electrical power of a circuit:	1. Expression: 2. Formula: