

CHAPTER

22

Study Guide

Current Electricity

Vocabulary Review

Write the term that correctly completes the statement. Use each term once.

ampere

electric current

resistor

battery

kilowatt-hour

series connection

conventional current

parallel connection

superconductor

electric circuit

resistance

- _____ A(n) _____ is a material with zero resistance.
- _____ The _____ of a wire determines how much current will flow through the wire when a voltage is applied.
- _____ The _____ is the flow of charged particles.
- _____ In a(n) _____, there is only one path for the current.
- _____ A(n) _____ is a unit of energy.
- _____ In a(n) _____, there is more than one path for the current.
- _____ A(n) _____ is the unit of current.
- _____ A(n) _____ is a closed loop in which electrons can move.
- _____ A(n) _____ converts chemical energy to electrical energy.
- _____ A(n) _____ is the flow of positive charge.
- _____ A(n) _____ is a device designed to have a specific resistance.

Section 22.1

Current and Circuits

In your textbook, read about electric circuits on pages 591–593.

For each statement below, write true or rewrite the italicized part to make the statement true.

- _____ Negative charge flows from a higher potential to a lower potential.
- _____ The flow of *electrons* is called conventional current.

Study Guide Physics Answers Current Electricity

Robert Henry Thurston



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