

Name _____ Date _____ Period _____

Chapter 11 AGS Physical Science Self-Study Guide

Goal 11.1 To explain how electric current flows through a circuit.

Date Assignment

_____ Read pages 309-313. Write vocabulary.

_____ Complete the Lesson 11:1 Review on page 314.

_____ Complete Workbook Activity 52: “How Electricity Flows”

_____ Video Guide: Bill Nye - Static Electricity

_____ Video Worksheet 11: Shining Some Light on Lightening

_____ Lab Manual 41: Exploring Electric Charges

Goal 11.2 To compare insulators and conductors.

Date Assignment

_____ Read page 315-316. Write vocabulary.

Goal 11.3 To tell how resistance is useful.

Date Assignment

_____ Read page 317-318. Write vocabulary.

_____ Complete the Lesson 11:2 Review on page 319.

_____ Complete Workbook Activity 53 : “Conductors and Insulators”

Goal 11.4 To describe how batteries produce current

Date Assignment

_____ Read pages 320-322. Write vocabulary.

Goal 11.5 To explain direct current and alternating current.

Date Assignment

_____ Read page 323. Write vocabulary.

_____ Video Guide: Bill Nye - Electricity

_____ Complete the Lesson 11:3 Review on page 324.

_____ Complete Workbook Activity 54 “Some Sources of Electric Current”

Goal 11.6 To apply Ohm's law

Date Assignment

_____ Read pages 325-326. Write vocabulary.

_____ Complete the Lesson 11:4 Review on page 327.

_____ Complete the Workbook Activity 55 "Using Ohm's Law"

Goal 11.7 To compare series and parallel circuits.

Date Assignment

_____ Read pages 328-331. Write vocabulary.

_____ Complete the Lesson 11:5 Review on page 332.

_____ Complete Workbook Activity 56. "Series Circuits"

_____ Complete Investigation 11-1 on pages 333-334. Lab Manual 43 "Constructing Series Circuits"

_____ Read pages 335-336. Write vocabulary.

_____ Complete the Lesson 11:6 Review on page 337.

_____ Complete Workbook Activity 57. "Parallel Circuits"

_____ Complete Investigation 11-2 on pages 338-339. Lab Manual 44 "Constructing Parallel Circuits"

Goal 11.8 To describe how electricity is measured.

Date Assignment

_____ Read pages 340-341. Write vocabulary.

_____ Complete the Lesson 11:7 Review on page 342.

_____ Complete Workbook Activity 58. "Electricity: Terms Review"

_____ Read the Chapter 11 Summary on page 343.

_____ Complete the Chapter 11 Review on pages 344-345.

_____ Turn in vocabulary for Chapter 11 (26 words)