

NAME _____

GROUP _____

CHAPTER 17
SYLLABUS

STANDARD:

H. ENERGY – STUDENTS WILL UNDERSTAND THE CONCEPTS OF ENERGY

INDICATOR:

4. DESCRIBE THE CHARACTERISTICS OF STATIC AND CURRENT ELECTRICITY.

OBJECTIVES:

- 1. NAME THREE WAYS AN OBJECT CAN BECOME CHARGED.**
- 2. WRITE THE EQUATION FOR OHM'S LAW.**
- 3. USE OHM'S LAW TO SOLVE PROBLEMS.**
- 4. NAME AND EXPLAIN THE THREE VARIABLES USED IN OHM'S LAW.**
- 5. WHAT IS THE DIFFERENCE BETWEEN A/C AND D/C CURRENT?**
- 6. NAME THE TWO TYPES OF CIRCUITS.**
- 7. NAME TWO SAFETY DEVICES USED IN CIRCUITS.**
- 8. DRAW AND LABEL A SERIES CIRCUIT.**
- 9. DRAW AND LABEL A PARALLEL CIRCUIT.**

VOCABULARY I:

LAW OF ELECTRIC CHARGES ELECTRIC FORCE CONDUCTION
INDUCTION INSULATOR STATIC ELECTRICITY
ELECTRIC DISCHARGE CELL BATTERY PARALLEL CIRCUIT

VOCABULARY II:

POTENTIAL DIFFERENCE PHOTOCELL
THERMOCOUPLE CURRENT VOLTAGE RESISTANCE
ELECTRIC POWER CIRCUIT LOAD SERIES CIRCUIT

LAB: CIRCUITS

TEACHER DEMONSTRATION (S)

WEB SITES OF INTEREST: www.scilinks.org HSTP405

CLASSWORK:

REVIEW SHEETS
DIRECTED READING
SCIENCE SKILLS
MINIQUIZZES

HOMEWORK:

VOCABULARY LISTS
REINFORCEMENTS
PRACTICE SHEETS
CHAPTER REVIEW P.448 - EX 1-12

SUPPLEMENTAL PORTFOLIO:

PROBLEM SOLVING	MATH IN SCIENCE	VIDEOS
ENRICHMENT	NEWSPAPER ARTICLES	PUZZLERS
CHALLENGE	REPORTS	ET AL