

NAME \_\_\_\_\_

GROUP \_\_\_\_\_

**CHAPTER 11  
SYLLABUS**

***STANDARD: (E) STUDENTS WILL UNDERSTAND THE STRUCTURE OF MATTER AND THE CHANGES IT CAN UNDERTGO.***

***PERFORMANCE INDICATOR: (2) DESCRIBE THE EVIDENCE THAT ALL MATTER CONSISTS OF PARTICLES CALLED ATOMS THAT ARE MADE UP OF CERTAIN SMALLER PARTICLES.***

**OBJECTIVES:**

1. STATE THE THREE (3) PARTS OF THE ATOMIC THEORY.
2. NAME AND DESCRIBE THE THREE (3) PARTS OF AN ATOM.
3. WHAT IS THE ATOMIC NUMBER OF AN ELEMENT?
4. WHAT IS AN ISOTOPE?
5. HOW DO YOU CALCULATE THE MASS NUMBER OF AN ELEMENT?
6. NAME THE FOUR (4) FORCES AT WORK IN ATOMS.

**VOCABULARY I:**

ATOM            THEORY            ELECTRONS            MODEL  
NUCLEUS            ELECTRON CLOUDS

**VOCABULARY II:**

PROTONS    ATOMIC MASS UNIT    NEUTRONS    ISOTOPES  
ATOMIC NUMBER    MASS NUMBER    ATOMIC MASS

**LAB: CANDY – COVERED ISOTOPES**

**WEB SITES OF INTEREST:** [www.scilinks.org](http://www.scilinks.org)    HSTP255

**CLASSWORK:**

REVIEW SHEETS  
DIRECTED READING  
SCIENCE SKILLS

**HOMEWORK:**

VOCABULARY LISTS  
REINFORCEMENTS  
CONCEPT MAP  
CHAPTER REVIEW P.296 EX 1-13 - E/C=20

**SUPPLEMENTAL PORTFOLIO:**

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