

NAME _____

GROUP _____

CHAPTER 4 SYLLABUS

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

PERFORMANCE INDICATOR: *(7) INVESTIGATE THE SIMILARITIES AND DIFFERENCES BETWEEN ELEMENTS, COMPOUNDS AND MIXTURES.*

OBJECTIVES:

1. NAME THE THREE CATEGORIES OF ELEMENTS.
2. DESCRIBE THE PROPERTIES OF THE THREE CATEGORIES.
3. WHAT IS A COMPOUND?
4. WHAT IS A MIXTURE?
5. HOW ARE MIXTURES SEPARATED?
6. COMPARE SOLUTE, SOLVENT AND SOLUTION.
7. NAME AND DESCRIBE THE THREE LEVELS OF DISSOLVED SOLUTE A SOLUTION CAN HOLD..
8. NAME THREE THINGS THAT CAN SPEED UP THE DISSOLVING PROCESS.

VOCABULARY I:

ELEMENT	PURE SUBSTANCE	METALS	NONMETALS
METALLOIDS	COMPOUND		

VOCABULARY II:

MIXTURE	SOLUTION	SOLUTE	SOLVENT
CONCENTRATION		SOLUBILITY	SUSPENSION
COLLOID			

LAB: A SUGAR CUBE RACE

TEACHER DEMONSTRATION (S)

WEB SITES OF INTEREST: www.scilinks.org (HSTP085)

CLASSWORK:

REVIEW SHEETS
DIRECTED READING
SCIENCE SKILLS

HOMEWORK:

VOCABULARY LISTS
REINFORCEMENTS
CONCEPT MAP

CHAPTER REVIEW P.100 EX 7-14 & 17 E/C=22

SUPPLEMENTAL PORTFOLIO:

PROBLEM SOLVING
ENRICHMENT
CHALLENGE

MATH IN SCIENCE
NEWSPAPER ARTICLES
REPORTS

VIDEOS
PUZZLERS
ET AL