

Unit Study Guide

Matter, Chemical/Physical Changes, and Separation Techniques

Chemistry I

B. White



Chapter 3 Objectives

- You will distinguish between physical and chemical properties.
- You will classify matter by composition: element, compound, or mixture.
- You will identify observable characteristics of chemical reactions.
- You will explain the fundamental law of conservation of mass.
- You will investigate specific separation techniques and explain how they apply to real applications in industry.

Chapter 3 Activities

___ Opening Day Chemistry Activity Stations (place in portfolio)

___ Lab Station Activities on chemical and physical changes, classifying matter, conservation of mass, and separation techniques

___ Teacher Demos on Chemical and Physical Changes

___ Student review and self-assessment from the web site www.chemistrymc.com

Username: cmc2005

Password: t8chefec

___ Class review

Assignments

___ Complete first week check list on-line

___ Chapter 3 Homework: **p. 82, 33, 34, 36, 40-43, 48, 50, 54, 56-59, 62, 63, 65, 66-69, 72**

___ Individual/Group Projects on Applications of Separation Techniques

Homework must be turned in on 8 1/2 x 11 inch unlined paper. Homework must be completed and checked before the day of the chapter test, and it is the responsibility of the student to make sure that the homework is complete and corrected.

Assessments

___ Portfolio work (including lab work)

___ Homework quizzes (?)

___ Self-check understanding/quizzes on-line

___ Unit Test