

**CH. 4 Elements, Compounds, and Mixtures**

**Lesson:** 4-1 Elements  
**Author:** Mr. Hilvers  
**Endorsed:** St. Lawrence School  
**Level:** Grade 8

**Lesson Objective**

Describe pure substances. Describe the characteristics of elements, and give examples. Explain how elements can be identified. Classify elements according to their properties.

**Teaching Procedure**

Read/discuss p. 80-85.

**Homework Assignment**

Worksheet 4-1.

**Lesson:** 4-2 Compounds  
**Author:** Mr. Hilvers  
**Endorsed:** St. Lawrence School  
**Level:** Grade 8

**\*\*Correct Homework, if any\*\*****Lesson Objective**

Describe the properties of compounds. Identify the differences between an element and a compound. Give example of common compounds.

**Teaching Procedure**

Read/discuss p.86-89.

**Homework Assignment**

Worksheet 4-2.

**Lesson:** 4-3 Mixtures  
**Author:** Mr. Hilvers  
**Endorsed:** St. Lawrence School  
**Level:** Grade 8

**\*\*Correct Homework, if any\*\*****Lesson Objective**

Describe the properties of mixtures. Describe methods of separating the components of a mixture. Analyze a solution in terms of its solute, solvent, and concentration. Compare the properties of solutions, suspensions, and colloids.

**Teaching Procedure**

Read/discuss p. 90-97.

**Homework Assignment**

Worksheet 4-3.

**Lesson:** Test  
**Author:** Mr. Hilvers  
**Endorsed:** St. Lawrence School  
**Level:** Grade 8

**\*\*Correct Homework, if any\*\***

**Student Evaluation**