


Chemistry Content Standards:

Energy is exchanged or transformed in all chemical reactions and physical changes of matter

Standard 7a: Students know how to describe temperature and heat flow in terms of the motion of molecules

Standard 7b: Students know chemical processes can either release exothermic or absorb endothermic thermal energy

Standard 7c: Students know energy is released when a material condenses or freezes and is absorbed when a material evaporates or melts.

Standard 7d: Students know how to solve problems involving heat flow and temperature changes, using known values of specific heat and latent heat of phase change.

17.2.1: Describe how calorimeters are used to measure heat flow

17.2.2: Construct thermochemical equations

17.2.3: Solve for enthalpy changes in chemical reactions by using heats of reaction.

Stamp:

Page 510, 5-11

WB 17.1

Practice Problems 17.1

SR 17.1

**Lecture:
Changes**

Thermodynamics 17.2 Measuring and Expressing Enthalpy

Thermochemical Calculations PPT

Practice Problems 17.2

Class work:

Students should complete the following assignments for direct instruction, "I do" with student assessment...and individual/group learning

1. Calculations Involving Specific Heat

2. WB 17.2

Homework:

None