


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 moleculesStandard 7b: Students know chemical processes can either release exothermic or absorb endothermic thermal energyStandard 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:**None****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**Homework:****None**