



# Honors Chemistry:

## Unit 7: Thermochemistry



DATE	CLASSWORK	HOMEWORK
Friday 4/20	After States of Matter Test: Pogil: Heat & Energy (pg 1-2) Make a list of all vocab words and define them Pogil: Calorimetry and Specific Heat (pg 3-6)	Specific Heat Video
Monday 4/23	CW: Specific Heat Practice (pg 7) POGIL: Phase Changes (pg 8-11) Practice: Phase Changes (pg 12-14)	Heating and Cooling Curve Video
Tuesday 4/24	Quiz: Specific Heat Problems CW: Phase Changes Practice Problems (pg 15-17)	Calorimetry Video
Wed 4/25	Pogil: Calorimetry (p.18) CW: Calorimetry Practice Problems (pg 19)	Pre-lab
Thursday 4/26	Quiz: Phase Changes and Heating/Cooling Curve Lab: Calorimetry Lab	Test Review
Friday 4/27	Thermochemistry Test	

### Objectives:

Students will be able to:

1. Define energy and distinguish between potential and kinetic energy.
2. Define calorie and Joule and convert between them.
3. Define specific heat.
4. Solve calorimetry problems.
5. Define endothermic and exothermic and indicate these in a chemical equation.
6. Define heat of fusion, heat of solidification, heat of vaporization, heat of condensation.
7. Solve phase change problems.
8. Interpret heating and cooling curves.