Honors Syllabus #5

Topic 5: Energy

Chapter 1: Section 1.2 pgs 19-21 (types of energy)

Chapter 4: Section 4.1 pgs 94-99 (temperature)

 Section 4.2 pgs 101-111 (heat and calorimetry)

 Section 4.3 pgs 114-118 (phase changes)

Chapter 11: Section 11.1 pgs 346-352 (energy of phase changes)

 Section 11.2 pgs 354-363 (energy of reactions)

Section 11.3 pgs 364-369 (entropy and free energy)

Vocabulary: (you do not have to write out these definitions, just know the words!

Pg 122 Sections 4.1 to 4.3 all except thermistor, thermocouple

Pg 374 Sections 11.1 to 11.3 all

Questions: To be done and handed in!

Section 1.2 (pg 26) 62

Section 4.1 (pg 123) 42, 46, 47, 85

Section 4.2 (pg 123) 48, 50, 51, 55, 56, 60, 62, 99

Section 4.3 (pg 124) 68, 69, 70, 77,102

Section 11.1 (pg 374) 21, 22, 24, 53, 55

Section 11.2 (pg 375) 34, 35, 40, 41

Section 11.3 (pg 376) 42, 46, 63