

Study Guide – Weekly Quiz #6

Name: _____

Chemistry

2 points

DUE AT QUIZ (10/26/11)

Date: _____ Hour: _____

Here is a list of topics/concepts covered on **Wednesday**, October 26th's quiz – understand them, be able to explain them, and be able to give examples (and non-examples) of each.

energy units

calorie

joule

Calorie

kilojoule

system

surroundings

exothermic

endothermic

heat

direction heat flows

equilibrium

energy unit conversion

symbols & spelling of elements 1-20

Practice questions:

1) Write out the name of each of the following elements. Spelling counts!

Na _____

Mg _____

Al _____

Si _____

P _____

S _____

O _____

Ne _____

He _____

B _____

Cl _____

Ar _____

Be _____

C _____

K _____

Ca _____

Li _____

N _____

F _____

H _____

2) (a) In what direction does heat always flow? _____

(b) How long will heat flow? _____

(c) Why doesn't bath water stay hot forever? _____

- 3) List three examples of exothermic changes: _____

- 4) Convert 68.2 Calories to calories. [68 200 cal]
- 5) Convert 4700 calories to joules. [20 000 J]
- 6) Convert 351 kJ to Calories. [83.9 Cal]
- 7) List three examples of endothermic changes: _____

- 8) What is a system? _____
- 9) What are surroundings? _____
- 10) Think about Lab #4 (Thermal Decomposition of Sodium Chlorate). What was/were the
(a) system? _____
(b) surroundings? _____
- 11) Think about Lab #1 (Glass Manipulation and Massing). When we polished the glass, was it endothermic or exothermic? Explain your choice.

