

CRUNCH TIME!

Class Work

NAME

6/9/14

Regents Review Day #8

SPARK (Show me annotations and open response work!)

Complete your final participation check!

ATTENTION ANIONS: your chemistry books are due back on THURSDAY! Same day as your final exam! Failure to bring in your chemistry book will result in a fine.

Objective

SWBAT review for the Regents!

Agenda:

- SPARK/Objective
- PRACTICE!



Multiple Choice Practice

- Complete Set #6 for multiple choice Regents questions. When you are finished check your answers, try to figure out why your answer is incorrect.
- When you are finished with this, annotate 27-31!
- We will review #6 and then move onto #7

Mini Review

- Atomic Structure
 - First Ionization Energy = energy required to take an electron away!
 - Nonmetals WANT their electrons so it would take a LOT of energy.
 - Metals are happy to give them away = low energy
 - Going down a group, electrons are further from the positive nucleus = more likely to be given away!
- **Complete #24 from your “In Terms Of” worksheet on a sheet of loose leaf!**

Mini Review

- Matter
 - Pure substance is ELEMENT or COMPOUNDS
 - NOT pure substance is a MIXTURE
- Complete #25 from your “In Terms Of” worksheet on a sheet of loose leaf!

Mini Review

- Atomic Structure
 - Ionic compounds can conduct electricity when
 - 1. They are melted into their liquid phase
 - 2. They are mixed to form an aqueous solution!
- Complete #26 from your “In Terms Of” worksheet on a sheet of loose leaf!

Mini Review

- Atomic Structure
 - EQUILIBRIUM
 - 1. Constant concentrations
 - 2. Equal rate
 - Think of CARE
- Complete #27 from your “In Terms Of” worksheet on a sheet of loose leaf!

Mini Review

- Chemical Bonding
 - All about ELECTRONEGATIVITY = how much an element WANTS electrons.
 - Polar = higher EN difference
 - Nonpolar = almost no EN difference
- Complete #28 from your “In Terms Of” worksheet on a sheet of loose leaf!

Mini Review

- Atomic Structure
 - Atoms are made up of PROTONS, NEUTRONS and ELECTRONS!
- Complete #29 from your “In Terms Of” worksheet on a sheet of loose leaf!

Mini Review

- Atomic Structure
 - Isotope = SAME element (because of protons), different MASS
- Complete #30 from your “In Terms Of” worksheet on a sheet of loose leaf!

Mini Review

- Acids and Bases
 - Acids produce H^+ , pH less than 7
 - Bases produce OH^- , pH more than 7
 - Acid and Base indicators: if less than range, it will be the first color, if more than range, it will be the second color!
- Complete #31 from your “In Terms Of” worksheet on a sheet of loose leaf!

Homework

- **SPEND at least 30 minutes on regentsprep.org quizzing yourself on any topic!**
- **Write answers up to #31**
- **Annotate #32-35 on your In Terms Of packet**

REMINDER

- Save the date- Saturday, June 21st
 - 10:30AM-12:30PM I will be at the Brooklyn Library at Grand Army Plaza
 - Walk straight when you enter the main doors and I will be in Room 7 in the back!