Bell Ringer #13:

Socrative Room Name: LEVEL70WARRIOR

Exam 2 Review

http://drmoad.weebly.com/

Agenda

Bell Ringer
Exam 2 Outline
Rutherford Gold Simulation
Drawing Atomic Models Activity
Isotope Simulation
Unit 2 Study Guide
Exit Ticket

What is due today?

Isotope Lab Molecular Weight Lab Chemical Conversions Homework NO NOTES TODAY

Exam 2 Outline

- Isotopes (Isotope definition, Writing isotope names, calculating the number of neutrons)
- Structure of the atom (3 subatomic particles)
- Early atomic models (Dalton, Thomson, Rutherford)
- Chemical Conversions (mol, atoms, molecules, grams)

Rutherford Gold Foil Simulation

https://phet.colorado.edu/en/simulation/rutherford-scattering

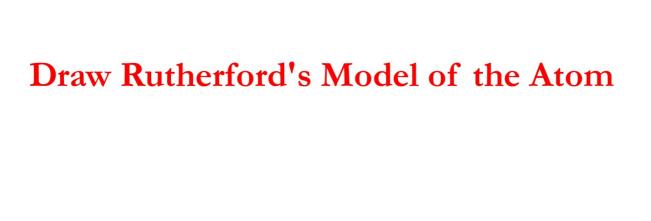
- What type of atom did Rutherford use?
- What type of particles were fired at the atoms?
- What happened to some of these particles that was unexpected?
- How did this affect Rutherford's idea of the atom's structure?

Dalton's Atomic Theory (1808)

- 1. Each element is made up of tiny particles called atoms.
- 2. The atoms of a given element are identical; the atoms of different elements are different in some fundamental way or ways.
- 3. Chemical compounds are formed when atoms combine with each other. A given compound always has the same relative numbers and types of atoms.
- 4. Chemical reactions involve reorganization of the atoms changes in the way they are bound together. The atoms themselves are not changed in a chemical reaction.

Draw Dalton's Model of the Atom





Isotopes Computer Simulation

Fill in your half sheets and turn them in to me today.

Exam 2 Study Guide

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Exit Ticket #13:)

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Moles to Grams Conversion