Warm up

1) Define ion

2) What is the difference between a cation and an anion?

3) What two ways can an ion form?

Oct 13-7:25 AM

Homework Questions?

Oct 15-7:10 AM

Topics on the test

- electron configuration
- ions and ionic compounds
- emission spectrum
- properties of metals and nonmetals
-writing ionic formulas from names
- periodic trends
- electromagnetic spectrum
- frequency
-valence electrons
-naming ionic compounds

Oct 15-7:11 AM

Properties of Metals	Properties of Nonmetals
-malleable	-brittle
-conduct electricity	-insulator (does not conduct electricity)
-shiny	-dull

Oct 15-7:14 AM

Review of Atoms, Ions, and Periodic Trends

How do we determine how many of each subatomic particle an atom has?

Oct 13-7:26 AM

What are the rules when writing a chemical symbol?

Oct 13-7:27 AM

How are the groups numbered and what names do specific groups have (individually and collectively)?

Oct 13-7:27 AM

How do we use electron configuration to determine placement in the periodic table?

Oct 13-7:28 AM

What are valence electrons and how do we determine how many an element in the A-groups has?

Oct 13-7:29 AM

What are the steps to determining ionic charges of the A-groups?

Oct 13-7:30 AM

When comparing atomic radius of elements in the same group or period.....

Oct 13-7:31 AM

When comparing ionization energy of elements in the same group or period.....

Oct 13-7:31 AM

When comparing electronegativity of elements in the same group or period.....

Oct 13-7:32 AM

What basic force is the reason for periodic trends?

Oct 13-7:32 AM

What is the importance of valence electrons?

Oct 13-7:33 AM

When looking at the periodic table, what elements are metals, nonmetals, and metaloids?

Oct 13-7:33 AM

When looking at the periodic table, what elements are solid, liquid, gas at STP (what does STP stand for)?

Oct 13-7:34 AM