Physical Science REVIEW FOR CHEM FINAL 2014 Date

Period

KJHS Name

There are 75 questions on this final. Your final will be on _____

HOW MANY POINTS? _____

True/False – 3, multiple choice - 55, completion – 4, short answer – 10, Balancing Equations -3

You will be tested on:

- All Notes and worksheets during the entire Chemistry Unit
- **LABS:** questions on the **Conductivity Lab and Coagulating Coffee cup lab.**
- **Physical and Chemical Changes**: (folded sheet)

  Define Physical change _____ example: _____

  Define Chemical change _____ example: _____
- **The Atom** –

how do you find # of neutrons? _____

Subat. particle	charge	location	size

How many e- on:

1st shell ____ 3rd shell _____

2nd shell ____ 4th shell _____

element	Protons	Neutrons	electrons	# of shells	# of val e-

Valence Electrons: involved in _____ _____, and _____ _____ and they are located on the _____.

Explain why the overall charge of an atom is neutral:

_____

_____

Electron Configuration:

Electron Dot Diagram Nitrogen=

Group #	Group name	Val e-

- **Periodic Table** – in order of _____

Purpose of dark diagonal line = separates _____ from _____ and goes through the _____

Most reactive groups: metals = _____ nonmetals = _____ Unreactive group=_____

Areas	location	Physical property	Chemical property	
Metals				
Semimetals				
nonmetals				
Inert gases				

	aka	direction	Pattern on periodic table	How many?
Row				
Column				

- **Balancing Equations:** Be able to count atoms, Be able to balance 3 equations,

Definitions:

chemical symbol _____ chemical formula _____ Chemical Equation _____

Reactant:_____, "→" = _____, product: _____

subscript_____, it tells you _____ ex: _____

coefficient: _____, it tells you _____ ex: _____ "→

Be able to explain why we balance chemical equations (law of _____)

This law states_____

_____

_____

_____

Definitions:

Element: _____

Molecule: _____

Compound: _____

Atomic number: _____

Polymer: _____

Monomer: _____

Know your Carbon notes: