**EOC Concepts Unit 3**

Remember to start on right hand side

1. Periodic table: sketch a periodic table and show the general areas of metals, metalloids, and nonmetals
2. Trends: sketch a periodic table and draw the arrow of increase for the following trends: ionization energy, electron affinity, electronegativity, and atomic size
3. Ionization energy: define, write equation for, and state what type of ion is formed (anion or cation)
4. Electron affinity: define, write equation for, and state what type of ion is formed (anion or cation)
5. Metals: state general properties of ionization energy and electron affinity
6. Non metals: state general properties of ionization energy and electron affinity
7. Heating curve of water: sketch this chart for the phase changes of water
8. Phase changes: list all SIX phases changes and state what is happening in each (ex: melting: solid→liquid)
9. Energy calculation: q=mcΔt state which each variable stands for in the given equation along with proper units.