**Vocabulary – Bio/Chem 1 Unit 3**

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| **Word** | **Definition** | **Image** |
| **Atom** | smallest piece that an element can be divided into; very tiny! | http://www.jameshedberg.com/img/samples/classical_Atom_Orbits.jpg |
| **Bond** | something that binds or holds together |  |
| **Configuration** | arrangement |  |
| **Core** | on the inside; core electrons are closest to the center of the atom |  |
| **Electron** | part of an atom; has a negative charge | **http://reich-chemistry.wikispaces.com/file/view/Neutron.jpg/104133311/349x318/Neutron.jpg** |
| **Electro-negativity** | how strongly an element attracts electrons; fluorine is very electronegative | **http://chemwiki.ucdavis.edu/@api/deki/files/1178/Electronegativity.png?size=bestfit&width=520&height=280&revision=1** |
| **Element** | a kind of matter that makes up everything on earth; examples – carbon, oxygen, iron, silver |  |
| **Energy** | power to do work |  |
| **Ion** | atom that has unequal numbers of protons and electrons; has a positive or negative charge |  |
| **Molecule** | more than one atom bonded together | **http://4.bp.blogspot.com/-c9ITKfB2zUI/TikeVYu-DWI/AAAAAAAAAGM/3kRCIn2b8WE/s400/chemistry+homework+%252312+pic+2.png** |
| **Neutron** | part of an atom in the nucleus; has no charge (neutral) | **http://reich-chemistry.wikispaces.com/file/view/Neutron.jpg/104133311/349x318/Neutron.jpg** |
| **Nucleus** | center of the atom; protons and neutrons located here |
| **Periodic Table** | chart that organizes the elements; elements are in order of how many protons they have   * period – row on the periodic table (across) * group – column in the periodic table (down) |  |
| **Proton** | positively charged part of an atom; found in the nucleus | **http://reich-chemistry.wikispaces.com/file/view/Neutron.jpg/104133311/349x318/Neutron.jpg** |
| **Shell** | “ring” around the center of an atom; electrons located here |  |
| **Shielding** | protection; an element with more shells outside its nucleus is more “shielded” |  |
| **Valence** | on the outer edge; valence electrons are in the outside shell (farthest from nucleus) |  |