***Vocabulary – Periodic Table #3***

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| Orbitals | -the areas within an energy level of an atom where the electron might be found |  |
| Energy Levels | -set distances from the nucleus of an atom where electrons are found |  |
| Mendeleev | A Russian scientist that created the first periodic table by placing elements in order of atomic mass and lining up groups of elements with similar chemical and physical properties. |  |
| Ionization Energy | The energy needed to remove an electron from an atom creating a positive ion. |  |
| Ionization energy trend | The ionization energy increases as you go from left to right across the periodic table. It decreases as you go from top to bottom down a group |  |
| Atomic Radius trend | The atomic radius of an atom decreases as you go from left to right across the periodic table. It increases as you go from top to bottom down a group. |  |