**The Periodic Table**

Today in Science class, Mr. Smith talked about the Periodic Table of Elements.

Things I learned:

* Ni – Nickel
* Hg – Mercury
* H2O – Water
* CO2 – Carbon Dioxide Gas
* CO – Carbon Monoxide
* H2 – Hydrogen Gas
* O2 – Oxygen Gas; the only kind of oxygen that humans can use to breathe.
* Rusting is the chemical reaction between iron and oxygen.
* The chemical formula for rusted iron is Fe2O3.
* Helium has 2 protons and 2 electrons.
* Hydrogen has 1 proton and 1 electron.
* Nitrogen has 7 protons and 7 electrons.
* Atomic mass is the number of big things in the nucleus of an atom.
* The atomic number of an atom is the number of electrons in that particular atom.
* If you subtract the atomic number from the atomic weight, you get the number of neutrons in the nucleus of the atom.
* The atomic weight of helium is 4.0.
* If the atomic weight is not an even number, it means that once in a while the atom is either missing or has an extra atom.

