

Some more Periodic Table Notes

- The table is mostly metals and mostly solid
- Metals are on the left, non-metals on the right
- Gases are at the upper right
- The smallest atom is Hydrogen, the largest is 113, as you move from left to right atoms increase in size and as you go down atoms increase in size
- Each row is a Period. As you move across the period you add one electron and one proton
- Each row fills one electron shell
- All atoms in the same group (column) have the same number of valence electrons - this is why they have similar chemical and physical properties.
- Group 1 is the Alkali metals - they are the MOST reactive metals
- Group 2 is the Alkaline earth metals, they are the second most reactive metals
- Group 17 is the Halogens, they are the most reactive non-metals
- Group 18 is the noble gases, they are non-reactive (inert), meaning they don't bond with other atoms
- ALL ATOMS WANT TO BE NOBLE GASSES!!! THEY ALL WANT A FULL VALENCE SHELL.

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