



Atomic Anatomy

- With the atom, label the following:
- electrons, protons, and neutrons
 - their charge, weight, where they are in the atom, and what imbalances in that subatomic particle causes

Name: _____
Charge: _____
Weight: _____
Where: _____
Causes: _____

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Make sure you know:

What is so special about families?

Periodic Perfection

On the Periodic table, label the following:
1) family names; 2) charges;
3) metals, nonmetals, and metalloids.

1 IA																		18 VIIA 8A																	
1	H	2 IIA 2A																2 He																	
3	Li	4 Be																3 B IIIA 3A																	
Lithium 6.941		Beryllium 9.012																5 B IIIA 3A		6 C IVA 4A		7 N VA 5A		8 O VIA 6A		9 F VIIA 7A		10 Ne							
11	Na	12																13 Al		14 Si		15 P		16 S		17 Cl		18 Ar							
Sodium 22.990		Magnesium 24.305		3 IIIb 3B		4 IVb 4B		5 VB 5B		6 VIB 6B		7 VIIB 7B		8 VIII 8		9 VIII 8		10 VIII 8		11 IB 1B		12 IIB 2B		13 Al		14 Si		15 P		16 S		17 Cl		18 Ar	
19	K	20		21		22		23		24		25		26		27		28		29		30		31		32		33		34		35		36	
Potassium 39.098		Calcium 40.078		Scandium 44.956		Titanium 47.867		Vanadium 50.942		Chromium 51.996		Manganese 54.938		Iron 55.845		Cobalt 58.933		Nickel 58.693		Copper 63.546		Zinc 65.38		Gallium 69.723		Germanium 72.631		Arsenic 74.922		Selenium 78.971		Bromine 79.904		Krypton 83.798	
37	Rb	38		39		40		41		42		43		44		45		46		47		48		49		50		51		52		53		54	
Rubidium 85.468		Strontium 87.62		Yttrium 88.906		Zirconium 91.224		Niobium 92.906		Molybdenum 95.95		Technetium 98.907		Ruthenium 101.07		Rhodium 102.906		Palladium 106.42		Silver 107.868		Cadmium 112.414		Indium 114.818		Tin 118.710		Antimony 121.760		Tellurium 127.6		Iodine 126.904		Xenon 131.294	
55	Cs	56		57-71		72		73		74		75		76		77		78		79		80		81		82		83		84		85		86	
Cesium 132.905		Barium 137.328				Hafnium 178.49		Tantalum 180.948		Tungsten 183.84		Rhenium 186.207		Osmium 190.23		Iridium 192.217		Platinum 195.085		Gold 196.967		Mercury 200.592		Thallium 204.383		Lead 207.2		Bismuth 208.980		Polonium [208.982]		Astatine 209.987		Radon 222.018	
87	Fr	88		89-103		104		105		106		107		108		109		110		111		112		113		114		115		116		117		118	
Francium 223.020		Radium 226.025				Rutherfordium [261]		Dubnium [262]		Seaborgium [266]		Bohrium [264]		Hassium [269]		Meitnerium [278]		Darmstadtium [281]		Roentgenium [280]		Copernicium [285]		Nihonium [286]		Flerovium [289]		Moscovium [289]		Livermorium [293]		Tennessine [294]		Oganesson [294]	