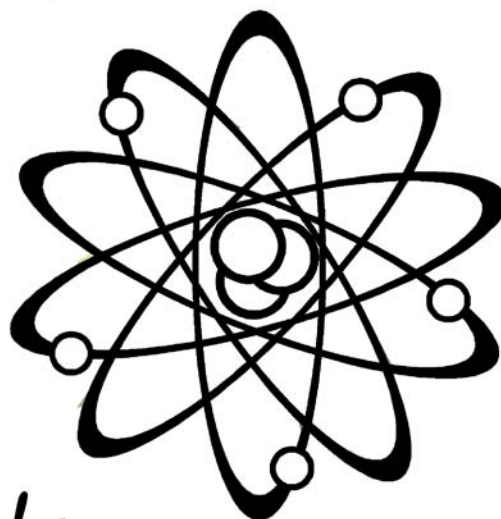


Chemistry:

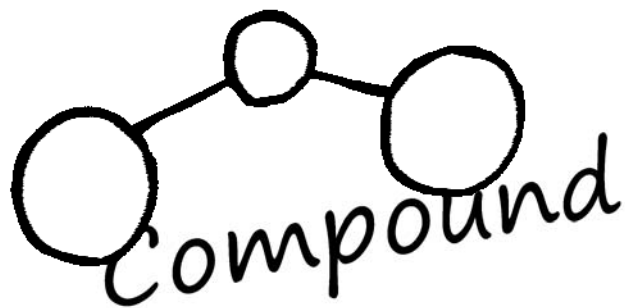
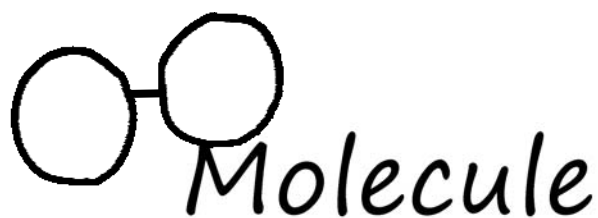
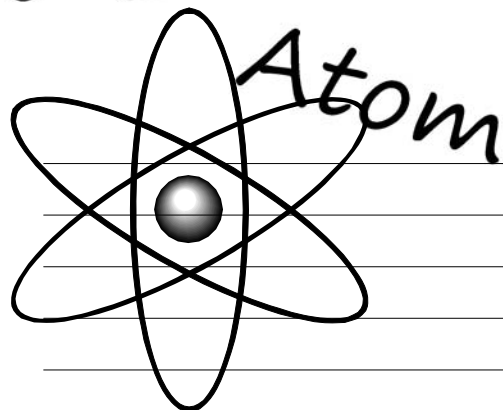


Periodic Table of Elements

1 H 1.00794 Hydrogen																	2 He 4.002602 Helium						
3 Li 6.941 Lithium	4 Be 9.012182 Beryllium																	5 B 10.811 Boron	6 C 12.0107 Carbon	7 N 14.0067 Nitrogen	8 O 15.9994 Oxygen	9 F 18.9984032 Fluorine	10 Ne 20.1797 Neon
11 Na 22.989769 Sodium	12 Mg 24.3050 Magnesium																	13 Al 26.9815386 Aluminum	14 Si 28.0855 Silicon	15 P 30.973762 Phosphorus	16 S 32.065 Sulfur	17 Cl 35.453 Chlorine	18 Ar 39.948 Argon
19 K 39.0983 Potassium	20 Ca 40.078 Calcium	21 Sc 44.955912 Scandium	22 Ti 47.867 Titanium	23 V 50.9415 Vanadium	24 Cr 51.9961 Chromium	25 Mn 54.938045 Manganese	26 Fe 55.845 Iron	27 Co 58.933195 Cobalt	28 Ni 58.6934 Nickel	29 Cu 63.546 Copper	30 Zn 65.38 Zinc	31 Ga 69.723 Gallium	32 Ge 72.64 Germanium	33 As 74.92160 Arsenic	34 Se 78.96 Selenium	35 Br 79.904 Bromine	36 Kr 83.798 Krypton						
37 Rb 85.4678 Rubidium	38 Sr 87.62 Strontium	39 Y 88.90585 Yttrium	40 Zr 91.224 Zirconium	41 Nb 92.90638 Niobium	42 Mo 95.96 Molybdenum	43 Tc [98] Technetium	44 Ru 101.07 Ruthenium	45 Rh 102.90550 Rhodium	46 Pd 106.42 Palladium	47 Ag 107.8682 Silver	48 Cd 112.411 Cadmium	49 In 114.818 Indium	50 Sn 118.710 Tin	51 Sb 121.760 Antimony	52 Te 127.60 Tellurium	53 I 126.90447 Iodine	54 Xe 131.293 Xenon						
55 Cs 132.9054519 Cesium	56 Ba 137.327 Barium	57-71 Lanthanides	72 Hf 178.49 Hafnium	73 Ta 180.94788 Tantalum	74 W 183.84 Tungsten	75 Re 186.207 Rhenium	76 Os 190.23 Osmium	77 Ir 192.217 Iridium	78 Pt 195.084 Platinum	79 Au 196.966569 Gold	80 Hg 200.59 Mercury	81 Tl 204.3833 Thallium	82 Pb 207.2 Lead	83 Bi 208.98040 Bismuth	84 Po [209] Polonium	85 At [210] Astatine	86 Rn [222] Radon						
87 Fr [223] Francium	88 Ra [226] Radium	89-103 Actinides	104 Rf [261] Rutherfordium	105 Db [268] Dubnium	106 Sg [271] Seaborgium	107 Bh [272] Bohrium	108 Hs [270] Hassium	109 Mt [278] Meitnerium	110 Ds [281] Darmstadtium	111 Rg [286] Roentgenium	112 Cn [285] Copernicium	113 Uut [284] Ununtrium	114 Fl [289] Flerovium	115 Uup [288] Ununpentium	116 Lv [293] Livermorium	117 Uus [294] Ununseptium	118 Uuo [294] Ununoctium						
57 La 138.90547 Lanthanum	58 Ce 140.116 Cerium	59 Pr 140.90765 Praseodymium	60 Nd 144.242 Neodymium	61 Pm [145] Promethium	62 Sm 150.36 Samarium	63 Eu 151.964 Europium	64 Gd 157.25 Gadolinium	65 Tb 158.92535 Terbium	66 Dy 162.500 Dysprosium	67 Ho 164.93032 Holmium	68 Er 167.259 Erbium	69 Tm 168.93421 Thulium	70 Yb 173.054 Ytterbium	71 Lu 174.9668 Lutetium									
89 Ac [227] Actinium	90 Th 232.03806 Thorium	91 Pa 231.03588 Protactinium	92 U 238.02891 Uranium	93 Np [237] Neptunium	94 Pu [244] Plutonium	95 Am [243] Americium	96 Cm [247] Curium	97 Bk [247] Berkelium	98 Cf [251] Californium	99 Es [252] Einsteinium	100 Fm [257] Fermium	101 Md [258] Mendelevium	102 No [259] Nobelium	103 Lr [262] Lawrencium									

Notebooking Pages

What is an Element?



Elements

Element Symbol



2



Atomic Number

He

HELIUM

4



Atomic Mass Units



Element Name

The Periodic Table

1A		2A		8B										3A		4A		5A		6A		7A		8A																																																																																																																																																																																																																																																																																																																																																																																																																								
1 H Hydrogen 1.00794	3 Li Lithium 6.941	4 Be Beryllium 9.012182	11 Na Sodium 22.989769	19 K Potassium 39.0983	21 Sc Scandium 44.955912	23 V Vanadium 50.9415	25 Mn Manganese 54.938045	27 Co Cobalt 58.933195	29 Cu Copper 63.546	31 Ga Gallium 69.723	33 As Arsenic 74.92160	35 Br Bromine 79.904	37 Rb Rubidium 85.4678	39 Y Yttrium 88.90585	41 Nb Niobium 92.90638	43 Tc Technetium [98]	45 Rh Rhodium 102.90550	47 Ag Silver 107.8682	49 In Indium 114.818	51 Sb Antimony 121.760	53 I Iodine 126.90447	55 Cs Cesium 132.9054519	57-71 Lanthanides	59 Pr Praseodymium 140.90765	61 Pm Promethium [145]	63 Eu Europium 151.964	65 Tb Terbium 158.92535	67 Ho Holmium 164.93032	69 Er Erbium 167.259	71 Lu Lutetium 174.9668	87 Fr Francium [223]	89 Ac Actinium [227]	88 Ba Barium 137.327	90 Th Thorium 232.03806	92 U Uranium 238.02891	94 Pu Plutonium [244]	96 Cm Curium [247]	98 Cf Californium [251]	100 Fm Fermium [257]	102 No Nobelium [259]	104 Lr Lawrencium [262]	85 At Astatine [210]	87 Rn Radon [222]	89 Fr Francium [223]	91 Ac Actinium [227]	93 Pa Protactinium 231.03588	95 Np Neptunium [237]	97 Bk Berkelium [247]	99 Es Einsteinium [252]	101 Md Mendelevium [258]	103 Lr Lawrencium [262]	86 Xe Xenon 131.293	88 Ra Radium [226]	90 Th Thorium 232.03806	92 U Uranium 238.02891	94 Pu Plutonium [244]	96 Cm Curium [247]	98 Cf Californium [251]	100 Fm Fermium [257]	102 No Nobelium [259]	104 Lr Lawrencium [262]	84 Se Selenium 78.96	86 Kr Krypton 83.796	88 Xe Xenon 131.293	90 Rn Radon [222]	92 U Uranium 238.02891	94 Pu Plutonium [244]	96 Cm Curium [247]	98 Cf Californium [251]	100 Fm Fermium [257]	102 No Nobelium [259]	104 Lr Lawrencium [262]	82 Pb Lead 207.2	84 Sn Tin 118.710	86 Xe Xenon 131.293	88 Ra Radium [226]	90 Th Thorium 232.03806	92 U Uranium 238.02891	94 Pu Plutonium [244]	96 Cm Curium [247]	98 Cf Californium [251]	100 Fm Fermium [257]	102 No Nobelium [259]	104 Lr Lawrencium [262]	80 Hg Mercury 200.59	82 Pb Lead 207.2	84 Sn Tin 118.710	86 Xe Xenon 131.293	88 Ra Radium [226]	90 Th Thorium 232.03806	92 U Uranium 238.02891	94 Pu Plutonium [244]	96 Cm Curium [247]	98 Cf Californium [251]	100 Fm Fermium [257]	102 No Nobelium [259]	104 Lr Lawrencium [262]	78 Br Bromine 79.904	80 Hg Mercury 200.59	82 Pb Lead 207.2	84 Sn Tin 118.710	86 Xe Xenon 131.293	88 Ra Radium [226]	90 Th Thorium 232.03806	92 U Uranium 238.02891	94 Pu Plutonium [244]	96 Cm Curium [247]	98 Cf Californium [251]	100 Fm Fermium [257]	102 No Nobelium [259]	104 Lr Lawrencium [262]	76 Os Osmium 190.23	78 Pt Platinum 195.084	80 Hg Mercury 200.59	82 Pb Lead 207.2	84 Sn Tin 118.710	86 Xe Xenon 131.293	88 Ra Radium [226]	90 Th Thorium 232.03806	92 U Uranium 238.02891	94 Pu Plutonium [244]	96 Cm Curium [247]	98 Cf Californium [251]	100 Fm Fermium [257]	102 No Nobelium [259]	104 Lr Lawrencium [262]	74 W Tungsten 183.84	76 Os Osmium 190.23	78 Pt Platinum 195.084	80 Hg Mercury 200.59	82 Pb Lead 207.2	84 Sn Tin 118.710	86 Xe Xenon 131.293	88 Ra Radium [226]	90 Th Thorium 232.03806	92 U Uranium 238.02891	94 Pu Plutonium [244]	96 Cm Curium [247]	98 Cf Californium [251]	100 Fm Fermium [257]	102 No Nobelium [259]	104 Lr Lawrencium [262]	72 Zn Zinc 65.38	74 Ru Ruthenium 101.07	76 Os Osmium 190.23	78 Pt Platinum 195.084	80 Hg Mercury 200.59	82 Pb Lead 207.2	84 Sn Tin 118.710	86 Xe Xenon 131.293	88 Ra Radium [226]	90 Th Thorium 232.03806	92 U Uranium 238.02891	94 Pu Plutonium [244]	96 Cm Curium [247]	98 Cf Californium [251]	100 Fm Fermium [257]	102 No Nobelium [259]	104 Lr Lawrencium [262]	70 Fe Iron 55.845	72 Zn Zinc 65.38	74 Ru Ruthenium 101.07	76 Os Osmium 190.23	78 Pt Platinum 195.084	80 Hg Mercury 200.59	82 Pb Lead 207.2	84 Sn Tin 118.710	86 Xe Xenon 131.293	88 Ra Radium [226]	90 Th Thorium 232.03806	92 U Uranium 238.02891	94 Pu Plutonium [244]	96 Cm Curium [247]	98 Cf Californium [251]	100 Fm Fermium [257]	102 No Nobelium [259]	104 Lr Lawrencium [262]	68 Ca Calcium 40.078	70 Zn Zinc 65.38	72 Zn Zinc 65.38	74 Ru Ruthenium 101.07	76 Os Osmium 190.23	78 Pt Platinum 195.084	80 Hg Mercury 200.59	82 Pb Lead 207.2	84 Sn 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Californium [251]	100 Fm Fermium [257]	102 No Nobelium [259]	104 Lr Lawrencium [262]	62 Ca Calcium 40.078	64 Ca Calcium 40.078	66 Ca Calcium 40.078	68 Ca Calcium 40.078	70 Zn Zinc 65.38	72 Zn Zinc 65.38	74 Ru Ruthenium 101.07	76 Os Osmium 190.23	78 Pt Platinum 195.084	80 Hg Mercury 200.59	82 Pb Lead 207.2	84 Sn Tin 118.710	86 Xe Xenon 131.293	88 Ra Radium [226]	90 Th Thorium 232.03806	92 U Uranium 238.02891	94 Pu Plutonium [244]	96 Cm Curium [247]	98 Cf Californium [251]	100 Fm Fermium [257]	102 No Nobelium [259]	104 Lr Lawrencium [262]	60 Ca Calcium 40.078	62 Ca Calcium 40.078	64 Ca Calcium 40.078	66 Ca Calcium 40.078	68 Ca Calcium 40.078	70 Zn Zinc 65.38	72 Zn Zinc 65.38	74 Ru Ruthenium 101.07	76 Os Osmium 190.23	78 Pt Platinum 195.084	80 Hg Mercury 200.59	82 Pb Lead 207.2	84 Sn Tin 118.710	86 Xe Xenon 131.293	88 Ra Radium [226]	90 Th Thorium 232.03806	92 U Uranium 238.02891	94 Pu Plutonium [244]	96 Cm Curium [247]	98 Cf Californium [251]	100 Fm Fermium [257]	102 No Nobelium [259]	104 Lr Lawrencium [262]	58 Ca Calcium 40.078	60 Ca Calcium 40.078	62 Ca Calcium 40.078	64 Ca Calcium 40.078	66 Ca Calcium 40.078	68 Ca Calcium 40.078	70 Zn Zinc 65.38	72 Zn Zinc 65.38	74 Ru Ruthenium 101.07	76 Os Osmium 190.23	78 Pt Platinum 195.084	80 Hg Mercury 200.59	82 Pb Lead 207.2	84 Sn Tin 118.710	86 Xe Xenon 131.293	88 Ra Radium [226]	90 Th Thorium 232.03806	92 U Uranium 238.02891	94 Pu Plutonium [244]	96 Cm Curium [247]	98 Cf Californium [251]	100 Fm Fermium [257]	102 No Nobelium [259]	104 Lr Lawrencium [262]	56 Ca Calcium 40.078	58 Ca Calcium 40.078	60 Ca Calcium 40.078	62 Ca Calcium 40.078	64 Ca Calcium 40.078	66 Ca Calcium 40.078	68 Ca Calcium 40.078	70 Zn Zinc 65.38	72 Zn Zinc 65.38	74 Ru Ruthenium 101.07	76 Os Osmium 190.23	78 Pt Platinum 195.084	80 Hg Mercury 200.59	82 Pb Lead 207.2	84 Sn Tin 118.710	86 Xe Xenon 131.293	88 Ra Radium [226]	90 Th Thorium 232.03806	92 U Uranium 238.02891	94 Pu Plutonium [244]	96 Cm Curium [247]	98 Cf Californium [251]	100 Fm Fermium [257]	102 No Nobelium [259]	104 Lr Lawrencium [262]	54 Ca Calcium 40.078	56 Ca Calcium 40.078	58 Ca Calcium 40.078	60 Ca Calcium 40.078	62 Ca Calcium 40.078	64 Ca Calcium 40.078	66 Ca Calcium 40.078	68 Ca Calcium 40.078	70 Zn Zinc 65.38	72 Zn Zinc 65.38	74 Ru Ruthenium 101.07	76 Os Osmium 190.23	78 Pt Platinum 195.084	80 Hg Mercury 200.59	82 Pb Lead 207.2	84 Sn Tin 118.710	86 Xe Xenon 131.293	88 Ra Radium [226]	90 Th Thorium 232.03806	92 U Uranium 238.02891	94 Pu Plutonium [244]	96 Cm Curium [247]	98 Cf Californium [251]	100 Fm Fermium [257]	102 No Nobelium [259]	104 Lr Lawrencium [262]	52 Ca Calcium 40.078	54 Ca Calcium 40.078	56 Ca Calcium 40.078	58 Ca Calcium 40.078	60 Ca Calcium 40.078	62 Ca Calcium 40.078	64 Ca Calcium 40.078	66 Ca Calcium 40.078	68 Ca Calcium 40.078	70 Zn Zinc 65.38	72 Zn Zinc 65.38	74 Ru Ruthenium 101.07	76 Os Osmium 190.23	78 Pt Platinum 195.084	80 Hg Mercury 200.59	82 Pb Lead 207.2	84 Sn Tin 118.710	86 Xe Xenon 131.293	88 Ra Radium [226]	90 Th Thorium 232.03806	92 U Uranium 238.02891	94 Pu Plutonium [244]	96 Cm Curium [247]	98 Cf Californium [251]	100 Fm Fermium [257]	102 No Nobelium [259]	104 Lr Lawrencium [262]	50 Ca Calcium 40.078	52 Ca Calcium 40.078	54 Ca Calcium 40.078	56 Ca Calcium 40.078	58 Ca Calcium 40.078	60 Ca Calcium 40.078	62 Ca Calcium 40.078	64 Ca Calcium 40.078	66 Ca Calcium 40.078	68 Ca Calcium 40.078	70 Zn Zinc 65.38	72 Zn Zinc 65.38	74 Ru Ruthenium 101.07	76 Os Osmium 190.23	78 Pt Platinum 195.084	80 Hg Mercury 200.59	82 Pb Lead 207.2	84 Sn Tin 118.710	86 Xe Xenon 131.293	88 Ra Radium [226]	90 Th Thorium 232.03806	92 U Uranium 238.02891	94 Pu Plutonium [244]	96 Cm Curium [247]	98 Cf Californium [251]	100 Fm Fermium [257]	102 No Nobelium [259]	104 Lr Lawrencium [262]	48 Ca Calcium 40.078	50 Ca Calcium 40.078	52 Ca Calcium 40.078	54 Ca Calcium 40.078	56 Ca Calcium 40.078	58 Ca Calcium 40.078	60 Ca Calcium 40.078	62 Ca Calcium 40.078	64 Ca Calcium 40.078	66 Ca Calcium 40.078	68 Ca Calcium 40.078	70 Zn Zinc 65.38	72 Zn Zinc 65.38	74 Ru Ruthenium 101.07	76 Os Osmium 190.23	78 Pt Platinum 195.084	80 Hg Mercury 200.59	82 Pb Lead 207.2	84 Sn Tin 118.710	86 Xe

Main-Group Metals

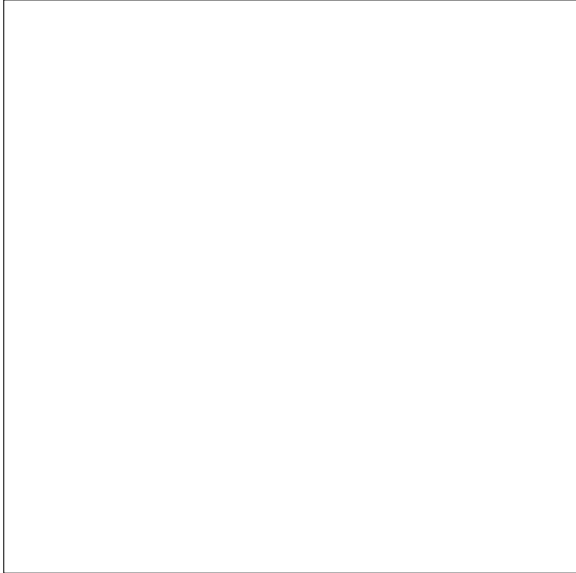


Metalloids



Below the table is a section with 18 horizontal lines for writing.

Nonmetals

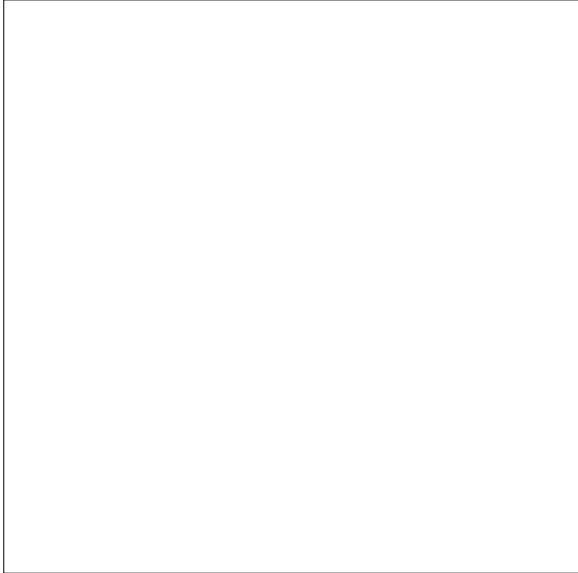


Halogenes

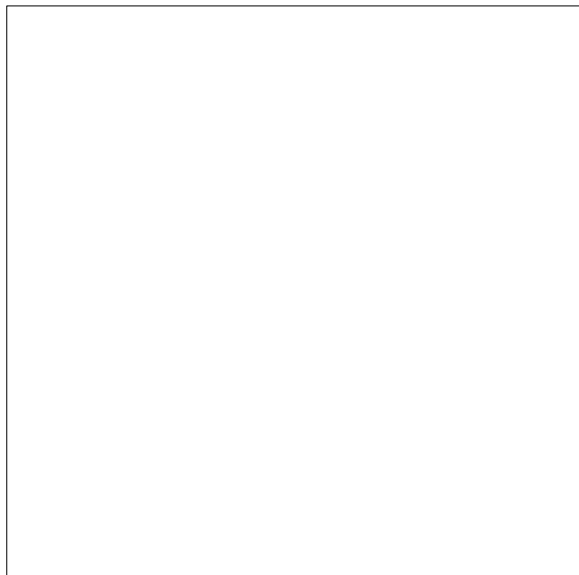


A series of horizontal lines for writing, consisting of 18 lines.

Noble Gases



Transition Metals



Eight horizontal lines for writing, aligned with the right side of the empty box.

Eighteen horizontal lines for writing, spanning the width of the page.

Lanthanides



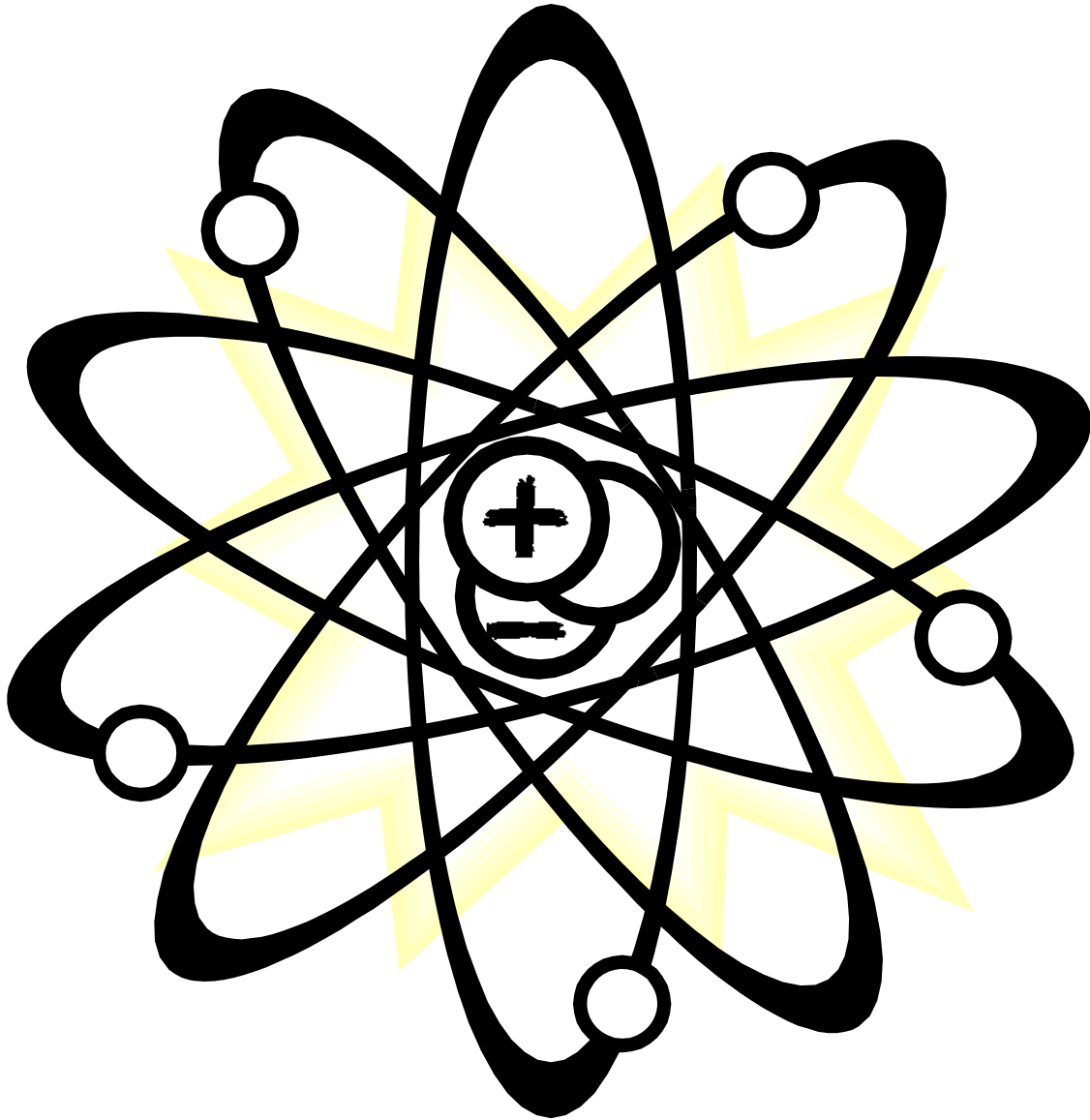
A series of horizontal lines for writing, consisting of 16 lines.

Actinides



Blank lined area for notes.

A t o m



Label the Atom:

1. Proton
2. Neutron
3. Electron
4. Nucleus

Science Experiment

Question:

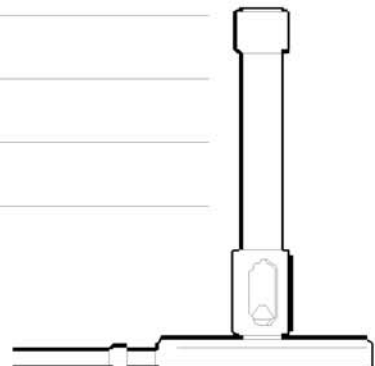
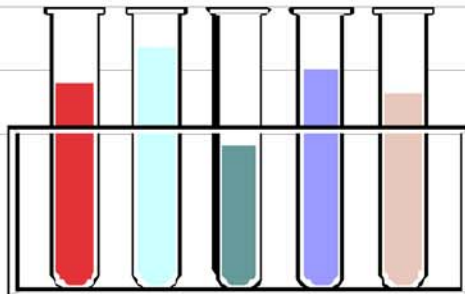
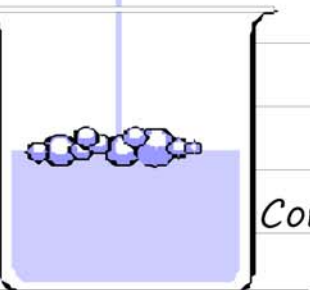
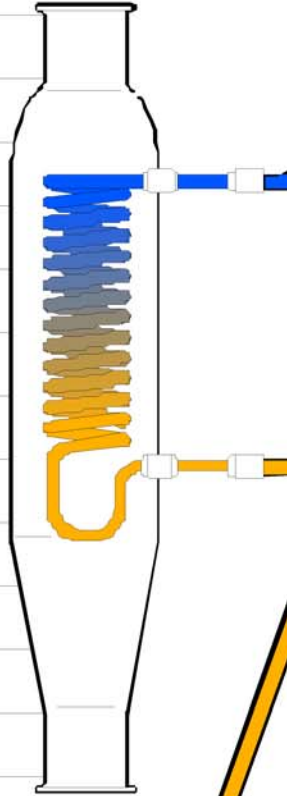
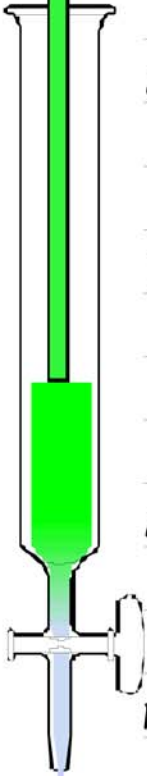
Hypothesis:

Materials:

Procedure:

Observation/Data:

Conclusion:



Science Experiment

Question:

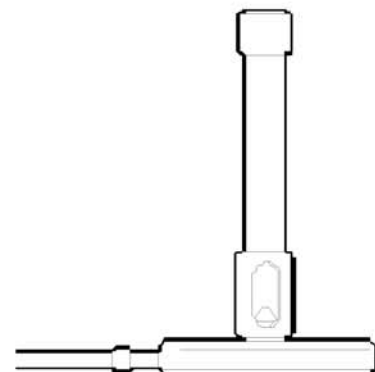
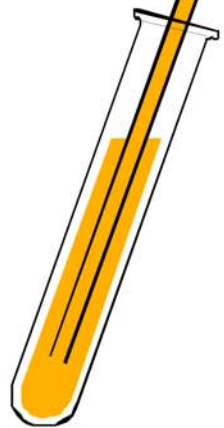
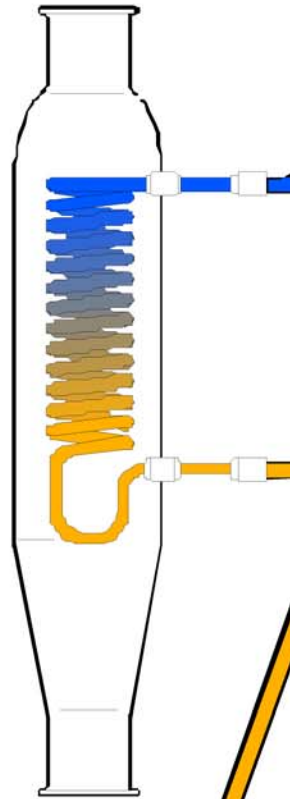
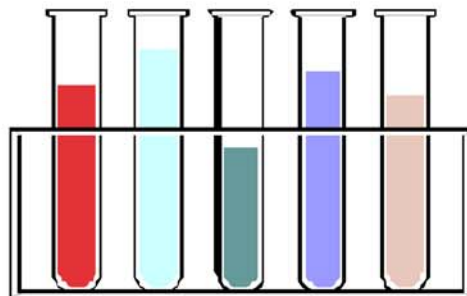
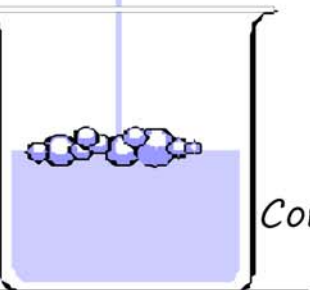
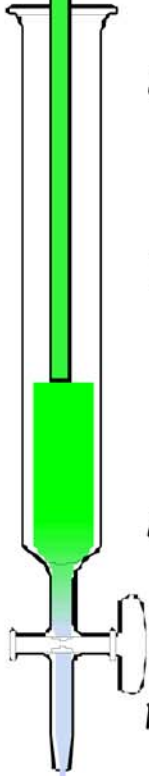
Hypothesis:

Materials:

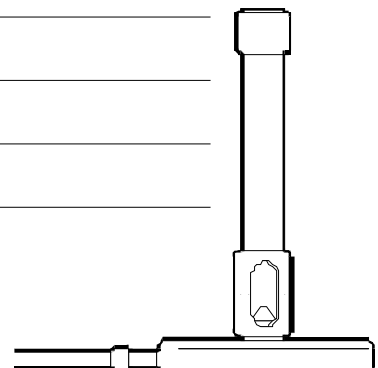
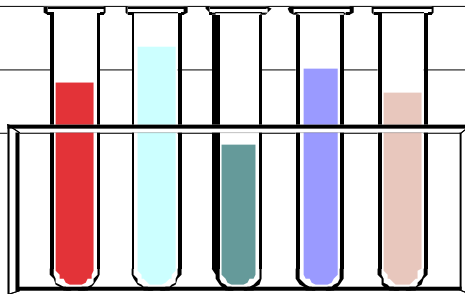
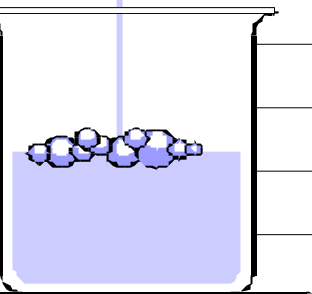
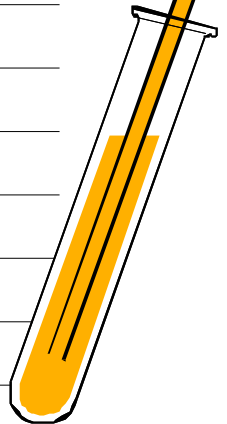
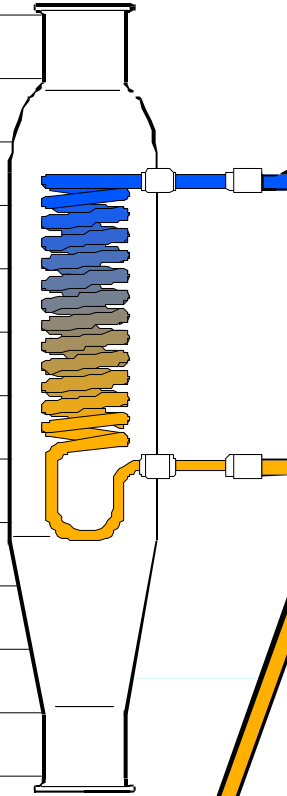
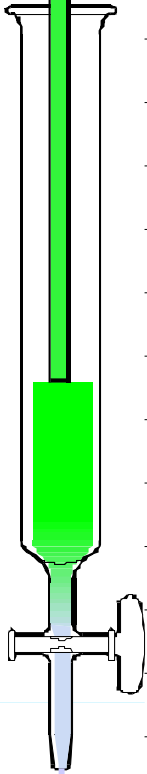
Procedure:

Observation/Data:

Conclusion:



Science Experiment



Science Experiment

