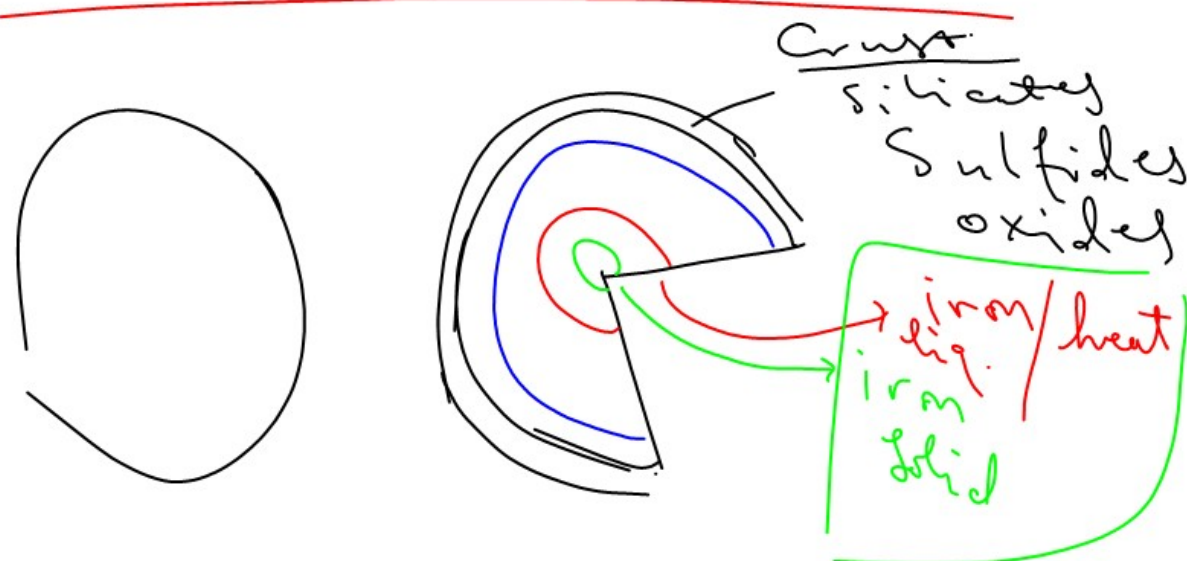


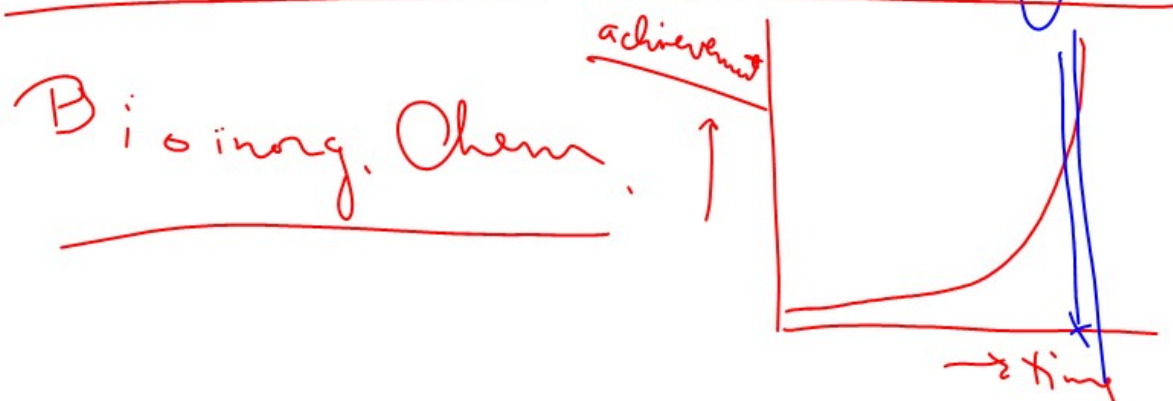
I			^{234}U	^{235}U	^{238}U
^{12}C	^{13}C	^{14}C	92	92	92
$p/q = 1:1$	$1:1\frac{1}{2}$	$1:12\frac{1}{8}$	1:1.54	1:1.55	1:1.6
					stable



History of Inorg. Chem.

Alchemy ^{in Europe} → 1600

1224 / Bacon / Baconian Way Thinking



Chapt. 2

Atomic Structure

Dalton's Theory

Thompson

Rutherford

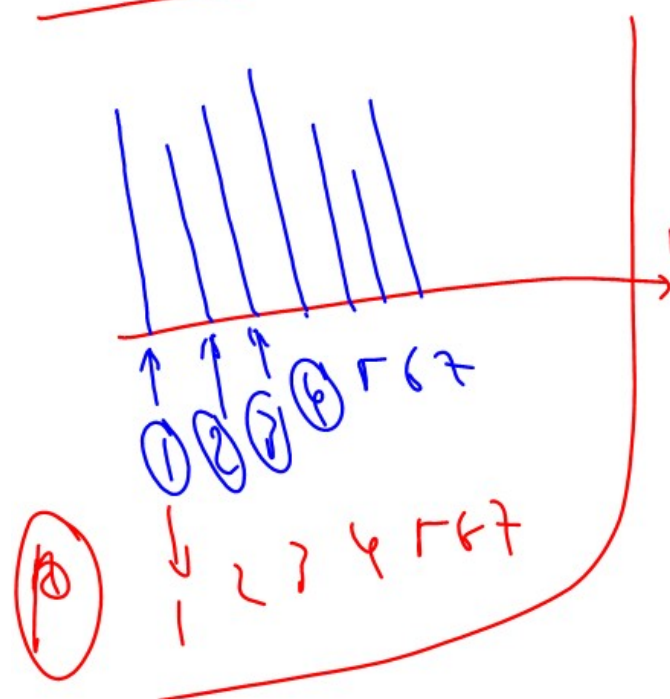
Mosley

Descriptive Chem.

Mendeleev

--- element / at. mass /
then ---

A hand-drawn periodic table with elements labeled. The first row contains H (1) and He (4). The second row contains Li (7) and Be (9). The third row contains Na (11) and Mg (24). The fourth row contains K (19) and Ca (40). The fifth row contains Sc, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, Ga, Ge, As, Se, Br, Kr. The sixth row contains Rb, Sr, Y, Zr, Nb, Mo, Tc, Ru, Rh, Pd, Ag, Cd, In, Sn, Sb, Te, I, Xe. The seventh row contains Cs, Ba, La, Ce, Pr, Nd, Pm, Sm, Eu, Gd, Dy, Ho, Er, Tm, Yb, Lu. The eighth row contains Fr, Ra, Ac, Th, Pa, U, Np, Pu, Am, Cm, Bk, Cf, Es, Fm, Md, No, Lr. The atomic masses for Na and K are given as 22.99 and 39.10 respectively.



A hand-drawn periodic table with elements labeled. The first row contains B and O. The second row contains Al and Si. The third row contains Ga and Ge. The fourth row contains As, Se, Br, Kr. The fifth row contains Rb, Sr, Y, Zr, Nb, Mo, Tc, Ru, Rh, Pd, Ag, Cd, In, Sn, Sb, Te, I, Xe. The sixth row contains Cs, Ba, La, Ce, Pr, Nd, Pm, Sm, Eu, Gd, Dy, Ho, Er, Tm, Yb, Lu. The seventh row contains Fr, Ra, Ac, Th, Pa, U, Np, Pu, Am, Cm, Bk, Cf, Es, Fm, Md, No, Lr. A green box highlights the elements B, O, Al, Si, Ga, Ge, As, Se, Br, Kr, In, Sn, Sb, Te, I, Xe, and the elements Rb, Sr, Y, Zr, Nb, Mo, Tc, Ru, Rh, Pd, Ag, Cd, In, Sn, Sb, Te, I, Xe.

