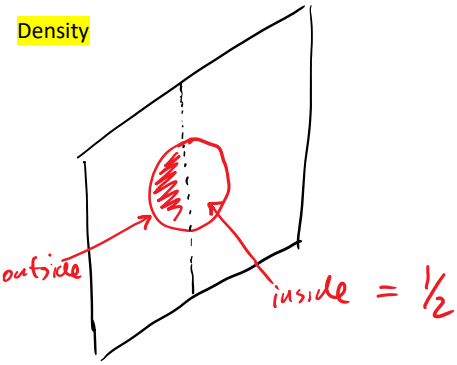
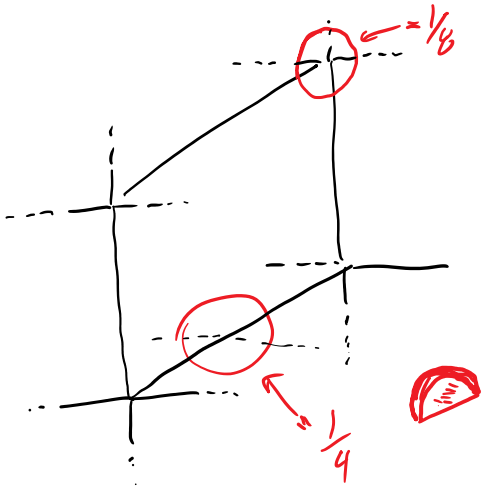
APS110H1f2024 Sept 20 2024

September 20, 2024 7:47 AM

Density





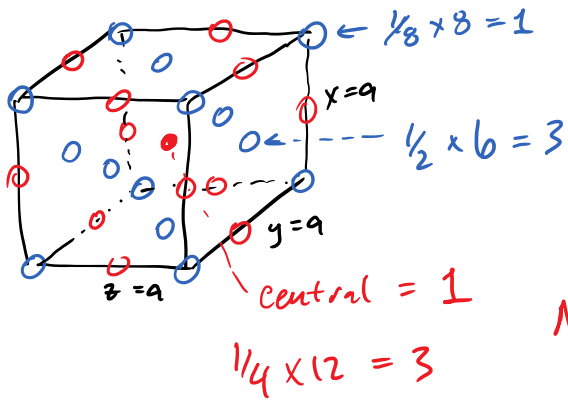
$NaCl = NaCl$ $\quad Na^+ + Cl^-$

cation = C, 1^+ $\quad$ anion = A, 1^-

density $\rho = \dfrac{(n_A \cdot A_A) + (n_C \cdot A_C)}{V_C \cdot N_A}$

volume of unit cell $\quad$ Avagadro's number

$a^3 = x \cdot y \cdot z$



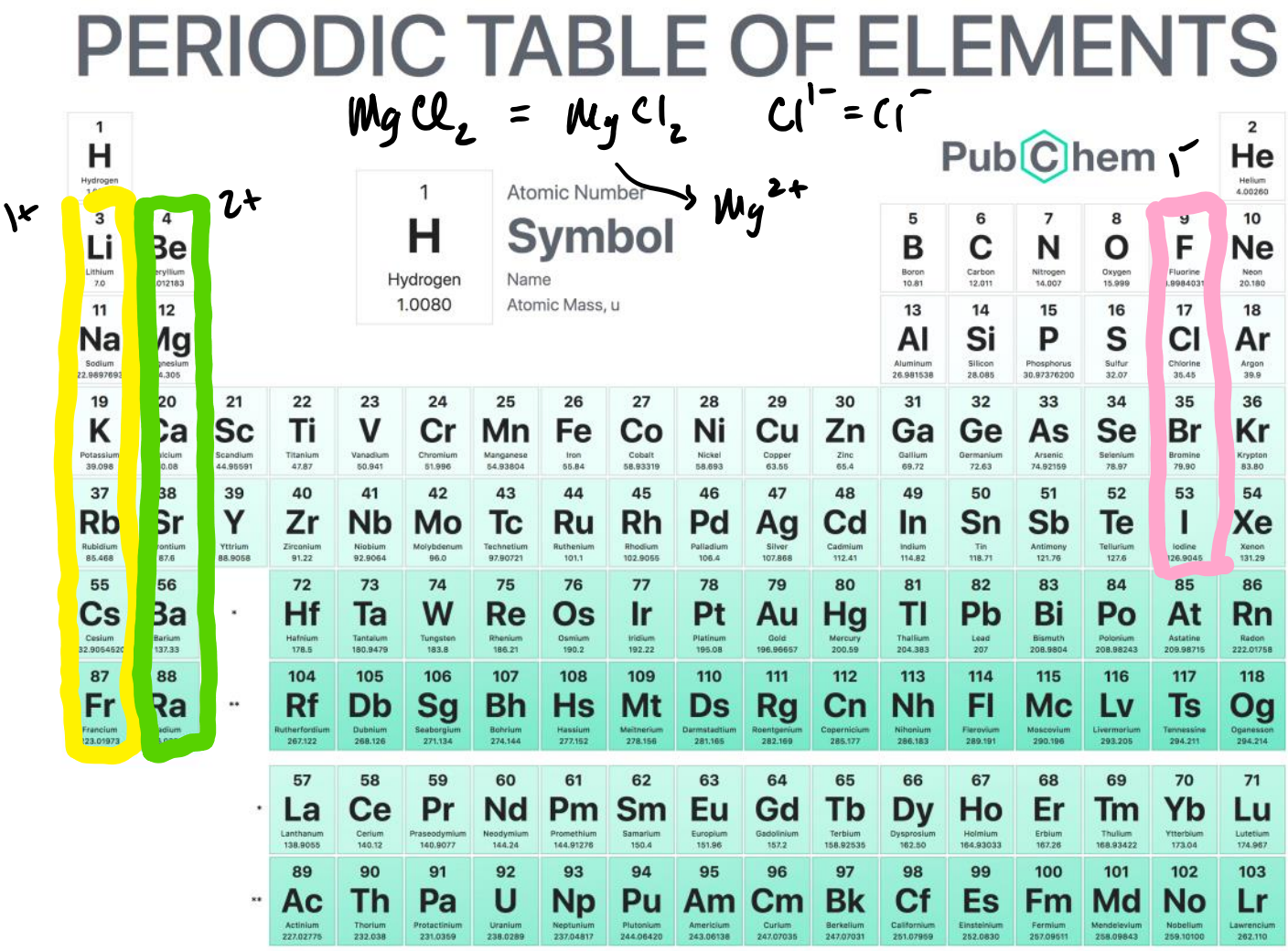
Cl $\quad 3+1=4$

$4=4$

Na $\quad 3+1=4$

$Pd^{2+} Se^{2-}$ – another example.

$SiO_2 = Si^{4+} + 2O^{2-}$

Periodic Table

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