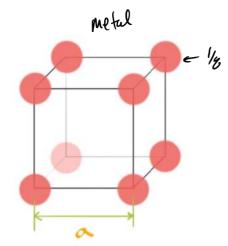
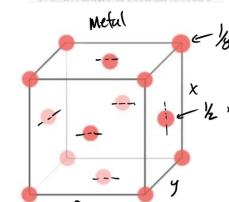


mess

Density





unik cell

FCC =

face central cubic

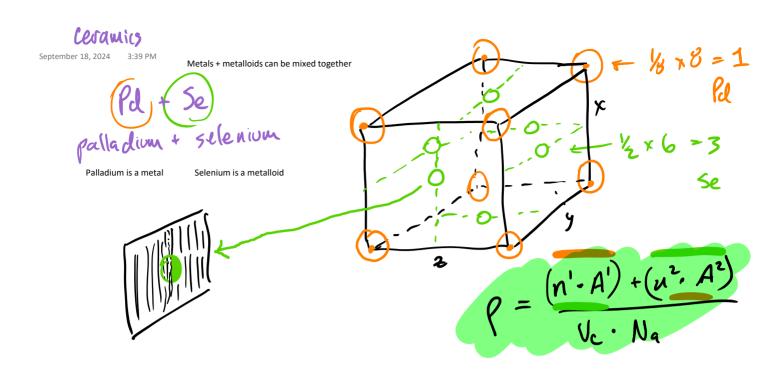
density = $ext{R} = \frac{mass of atoms}{volume of unit cell} = \frac{m}{volume} = \frac{m}{v$

Helectors in our Molar Mass $R = \frac{n \cdot A}{V_c \cdot N_A} = \frac{\text{Molar Mass}}{\text{Avagad ro's number}}$ $= 6.023 \times 10^{23}$

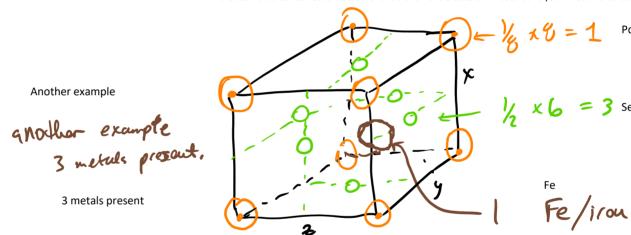
| Nano gran = 1 x 10 - 9 gran

nano ~ volume of unit cell=xxyxz

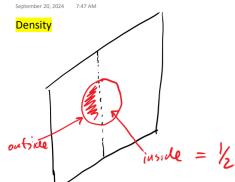
1 gran = 1 x 109 namo gran

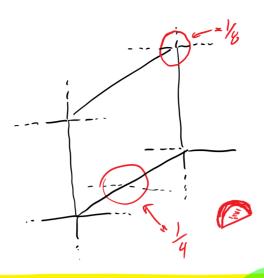


FYI - the atomic radius was not considered for this artwork and discussion - if data found you will atomic radiuses



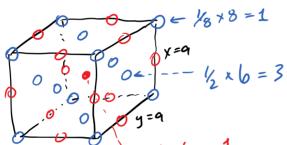






devity
$$P = \frac{(n_{\Delta} \cdot A_{\Delta}) + (n_{C} \cdot A_{C})}{V_{C} \cdot N_{\Delta}}$$
Volume
$$P = \frac{(n_{\Delta} \cdot A_{\Delta}) + (n_{C} \cdot A_{C})}{V_{C} \cdot N_{\Delta}}$$
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 $\alpha^3 = y \cdot y \cdot z$



C(3+1=4)

central = 1

$$SiO_{z} = Si^{4+} + 20^{2-}$$

