1.47 b

$\frac{6\text{mg Elix}}{\text{Kg}}$, 150 pound Pt. } ___ mg Elix

$$\frac{6\text{mg Elix}}{\text{Kg Pt}} \left| \frac{1\ \text{Kg}}{2.205\ \text{pounds}} \right| \frac{150\ \text{pound}}{} =$$

conversion factor

Given can go by itself

Sep 12-7:32 AM

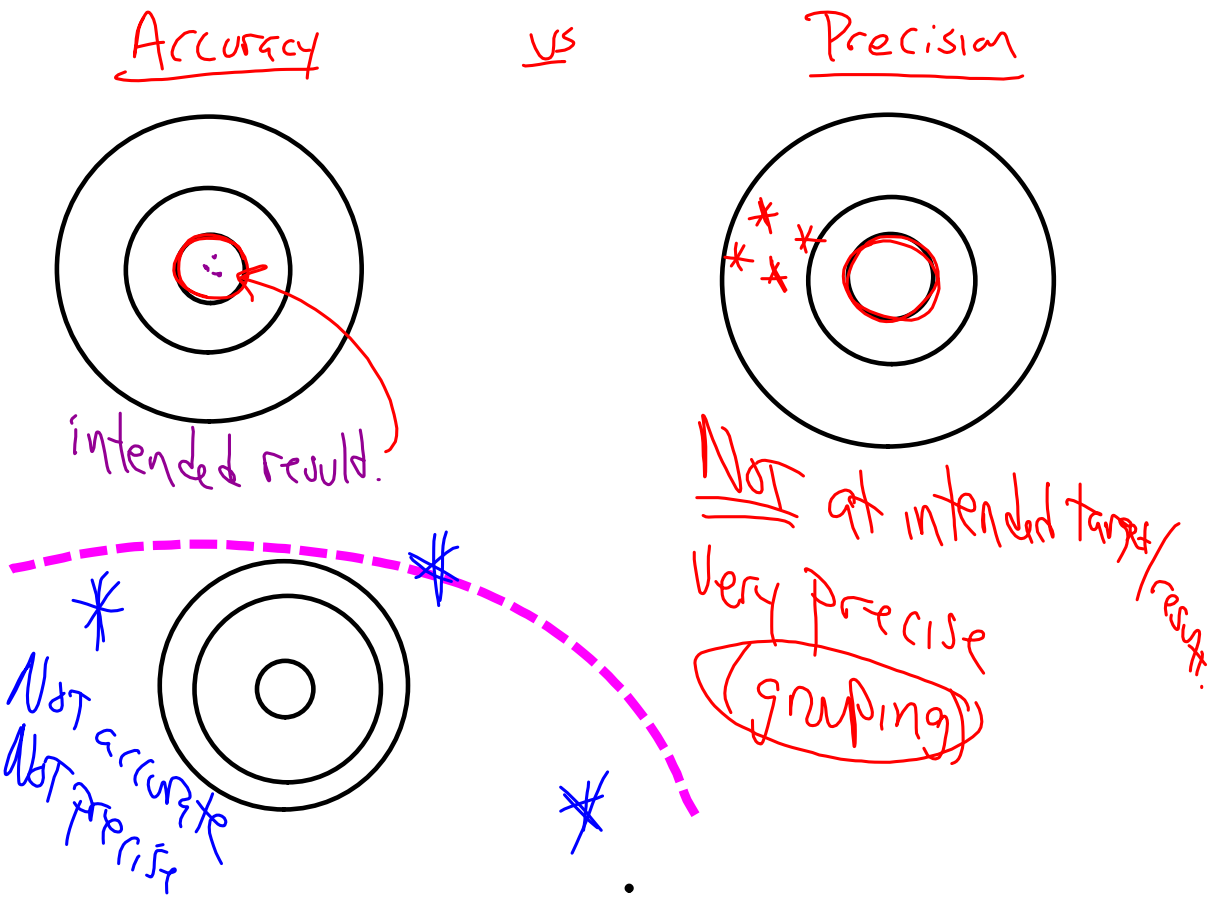
1.47 D

$\frac{\text{pound Cafe}}{50\text{cups. coffee}}$, $\frac{4\text{cups}}{1\text{QT}}$, $\frac{\text{ml cafe}}{1\text{ g coffe}}$

FIND

$$\frac{50\text{cups}}{\text{pound}} \left| \frac{1\text{gt}}{4\text{cups}} \right| \frac{1\text{l}}{1.0567\text{gt}} \left| \frac{1000\text{ml}}{1\text{l}} \right| \frac{\text{pound}}{453.59\text{g}} =$$

Sep 12-8:07 AM



Sep 12-8:12 AM

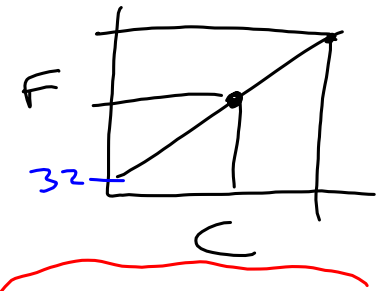
Separate items

1. Filtration - size
2. Distillation - BP (FP)
3. Chromatography - mass
4. Solubility

Sep 12-8:23 AM

$F = \frac{9}{5}C + 32$

$Y = m x + b$



H_2O	°F (Y)	°C (X)
FP	32 (Yint)	0
BP	212	100
Δ	180	100

$Y = mx + b$

slope $\frac{\Delta y}{\Delta x}$ y-intercept

$M = \frac{\Delta F}{\Delta C} = \frac{180}{100} = \frac{18}{10} = \frac{9}{5} = m$

Sep 12-8:28 AM

H_2O	°SALUANI (y)	°ZAGAMI (x)
FP	21	10
BP	60	75
Change	39	65

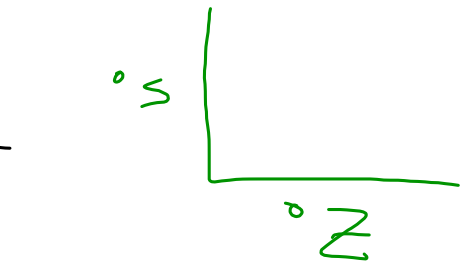
$M = \frac{39}{65}$

POINT SLOPE

$°S = \frac{39}{65} °Z + ?$

$21 = \frac{39}{65}(10) + b$

$b = 15$



$Y = mx + b$

$°S = \frac{39}{65} °Z + 15$

Sep 12-8:39 AM

Chap 2 ATOMIC THEORY

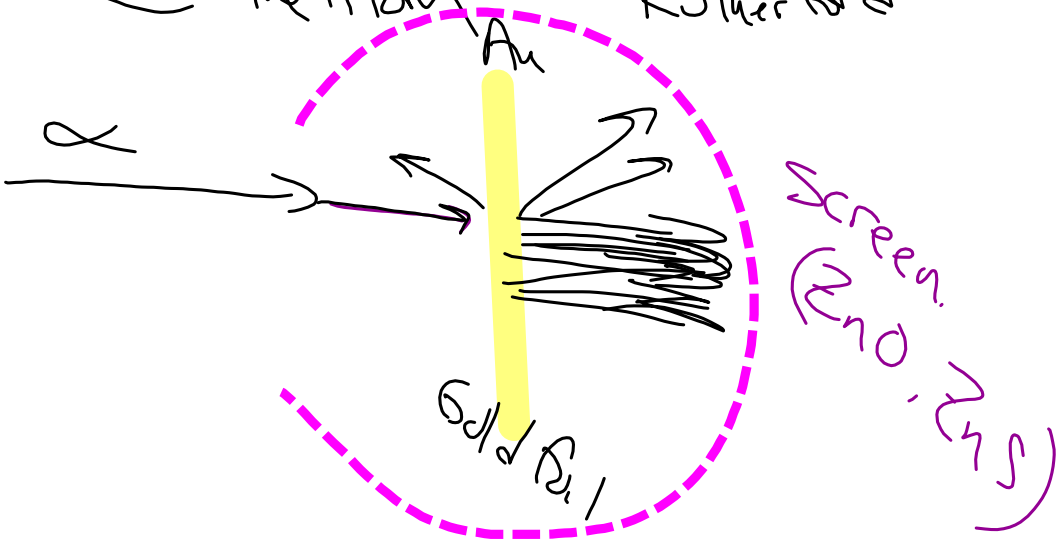
Atom – Atomos – smallest part
indivisible, indestructible

Democritus →

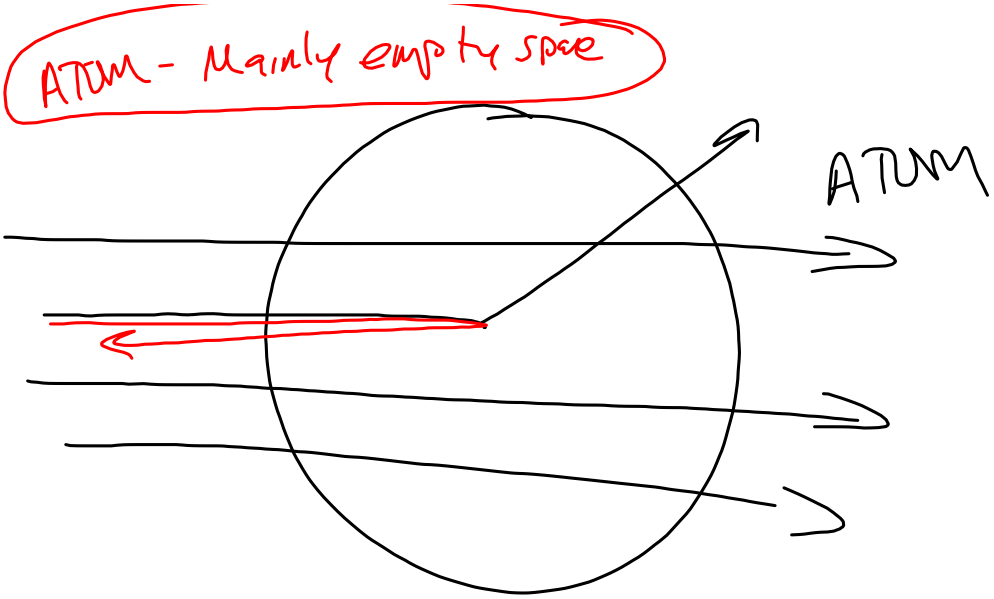
Sep 12-9:04 AM

John Dalton (1800s)
↳ ATOM → Building block of compounds/molecules.

INSIDE The ATOM – Rutherford



Sep 12-9:07 AM



Sep 12-9:13 AM

PS1 # 1–19 ALL

21, 25

Sep 12-9:16 AM