

O.I / Vinegar

Non-Polar \Rightarrow Soluble (ish) in H_2O

NOT H_2O soluble

No ions

Covalent

\hookrightarrow organic $-C-$

POLAR

uneven charge distribution gives off H^+ / H_3O^+ ion in H_2O

O.I

W₉W₁

less dense $\frac{Mass}{Volume}$

Sep 13-7:14 AM

1.48 b

$\frac{14m}{Sec} = \frac{miles}{hr}$

= "1"

14m	60 sec	60 min	0.621 <u>miles</u>	1 Km
Sec	1 min	1 <u>hr</u>	1 Km	1000 m =

conversion factor = 1

Sep 13-7:51 AM

$0.025 \text{ ft}^3 = \text{_____ cm}^3 \left(\frac{1 \text{ in}}{2.54 \text{ cm}} \right)$
 2 sig figs

0.025 ft^3	12^3 in^3	2.54^3 cm^3
1 ft^3	1 in^3	1 cm^3

707.9211648 cm³

710

Sep 13-8:00 AM

Physical vs Chemical change

<p>Δ appearance Same substance</p>	}	<p>Δ basic make-up New substances produced</p>
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$2 \text{ H}_2 (\text{g}) + \text{O}_2 (\text{g}) \rightarrow 2 \text{ H}_2\text{O} (\text{l})$

Flammable "booms" Combustible Puts fire out

Sep 13-8:15 AM

Quantitative vs. Qualitative
 Quantity vs. Yes/No presence (Quality)

Intensive vs. extensive
 Mass Independent vs. Mass dependent

Precision ^{grouping} vs. Accuracy
 hit the bullseye

Sep 13-8:23 AM

H₂O °F → °C

MP/FP	32	0
BP	212	100

Slope = $m = \frac{\Delta Y}{\Delta X} = \frac{180}{100} = \frac{9}{5}$

$Y = mX + b$

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

Sep 13-8:31 AM

PS 1-1 #1-20
Show work.

Sep 13-8:46 AM