6.1.20

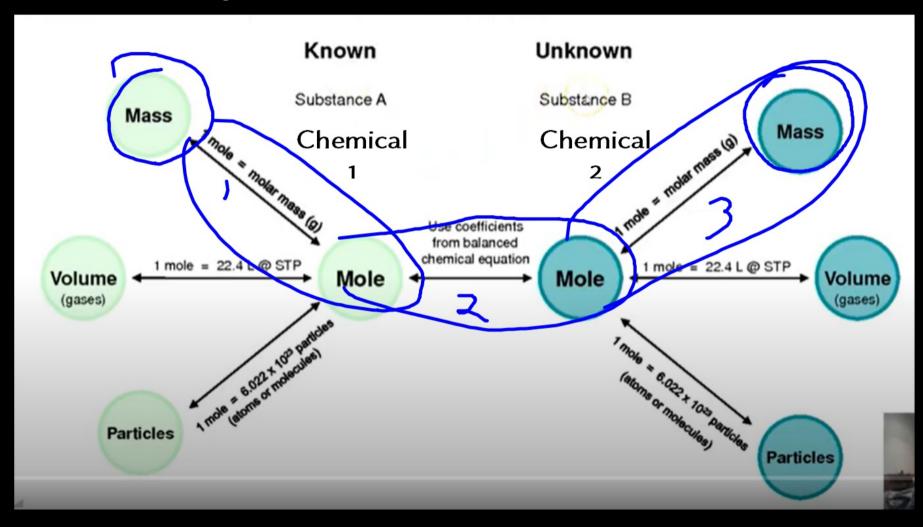
Stoichiometry: Grams to Grams

Today's Objectives:

- Recap mole to mole slides
- Use the big mole roadmap
- Add steps before and after to learn grams to grams

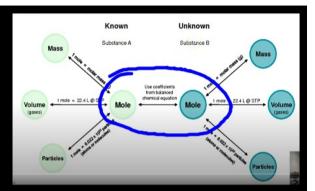


Big Mole Roadmap



Moles to Moles (1 Step)

$$1 \text{ CH}_4 + 2 \text{ O}_2 \longrightarrow 1 \text{ CO}_2 + 2 \text{ H}_2\text{O}$$



1. 10 moles of CH₄ will produce how many moles of

a) H₂0?

10 mol Cty

2 m

m CH4

= (20 males Hz0

b) CO2?

Grams to Grams (3 Steps) Known Unknown Substance A $1 \text{ CH}_4 + 2 \text{ O}_2 --> 1 \text{ CO}_2 + 2 \text{ H}_2\text{O}$ 100 grams of CH₄ will yield how many grams of Cock. H_20 ? C: 12 x1 = 12

