

AP Chemistry Daily Videos

1.1 Moles and Molar Mass

Video #1

1. How much is a mole and why do Chemists use moles?

2.

Term	Definition	Units
Formula Mass		
Molar Mass		

3. Explain in your own words and how you calculate formula mass/molar mass.

4. Pause the video at 5:26 and attempt the problem, then evaluate how you did and identify any errors.

What is the molar mass of H_2SO_4 ?

5. Pause the video at 6:29 and attempt the problem, then evaluate how you did and identify any errors.

What is the molar mass of $\text{Al}(\text{NO}_3)_3$?

Video #2

1. How can the molar mass conversion factors be used to solve problems?

2. Pause the video at 4:19 and attempt the problem, then evaluate how you did and identify any errors.

A sucrose packet contains 4.0 g sucrose, $\text{C}_{12}\text{H}_{22}\text{O}_{11}$. How many moles of sucrose does the packet contain?