

Chemistry Lesson Plan

Topic	The Mole Concept
Lesson Title	The Mole and Molar Mass
Lesson Number	4-1b
Next Generation Science Standards:	<i>HS-PS1-7.</i> Use mathematical representations to support the claim that atoms, and therefore mass, are conserved during a chemical reaction.
Learning objectives:	<ul style="list-style-type: none"> • Calculate molar mass and assign appropriate units • Demonstrate how relative atomic mass is calculated
"I can" statement:	<ul style="list-style-type: none"> • I can calculate molar mass and relative atomic mass and assign each with appropriate units.
Prior Knowledge:	
<ul style="list-style-type: none"> • Moles • Avogadro's number • Mass • Relative atomic mass (A_r) 	
Vocabulary:	
Avogadro's number, grams, grams per mole, isotope, mass, molar mass, mole, relative atomic mass, relative molecular mass/relative formula mass	
Summary of Activities:	
<ol style="list-style-type: none"> 1. Distribute and complete bell ringer activity. 2. Discuss guided notes and slideshow, with students. 3. Vocabulary worksheet or doodle notes 4. Exit quiz 	
Additional Resources:	
<ul style="list-style-type: none"> • Calculating molar mass – YouTube Clip • Calculating relative atomic mass – YouTube clip 	
Homework:	
Homework task	
Assessment:	
<ul style="list-style-type: none"> • Bell work • Assignment/Lab project • Exit quiz • End of unit review 	