

Chemistry Lesson Plan

Topic	The Mole Concept
Lesson Title	The Mole and Molar Mass
Lesson Number	4-1a
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"> Define the relationship between the mole, Avogadro's number and the mass of carbon-12.
"I can" statement:	<ul style="list-style-type: none"> I can state one mole as equivalent to Avogadro's number and 12g of carbon-12.
Prior Knowledge: <ul style="list-style-type: none"> Atomic mass Use of the periodic table Isotopes 	
Vocabulary: Avogadro's number, isotope, mass, mole, quantitative chemistry, relative atomic mass	
Summary of Activities: <ol style="list-style-type: none"> Distribute and complete bell ringer activity. Discuss guided notes and slideshow, with students. Vocabulary worksheet or doodle notes Exit quiz 	
Additional Resources: <ul style="list-style-type: none"> The mole – introduction – YouTube clip 	
Homework: Homework task	
Assessment: <ul style="list-style-type: none"> Bell work Assignment/Lab project Exit quiz End of unit review 	