

Chemistry Lesson Plan

Topic	Structure and Properties of Matter
Lesson Title	Atoms and Molecules
Lesson Number	1
Next Generation Science Standards:	HS-PS1-1. Use the periodic table as a model to predict the relative properties of elements based on the patterns of electrons in the outermost energy level of atoms.
Learning objectives:	<ul style="list-style-type: none"> • Differentiate between atoms, molecules and compounds • Count the numbers of atoms in a molecule or compound
"I can" statement:	<ul style="list-style-type: none"> • I can describe the difference between atoms, molecules and compounds and count the number of atoms in a molecule/compound.
Prior Knowledge:	
<ul style="list-style-type: none"> • Basic structure of the atom • Chemical notation 	
Vocabulary:	
Atom, element, molecule, compound, subatomic particles, electron shell, chemical bond, subscript, coefficient, chemical formula	
Summary of Activities:	
<ol style="list-style-type: none"> 1. Distribute and complete bell ringer activity. <i>Please note: as this is the first lesson in the topic this activity is aimed to access prior/background knowledge students may already possess.</i> 2. Discuss guided notes and slideshow, with students. 3. Vocabulary worksheet, 4. Exit quiz 	
Additional Resources:	
<ul style="list-style-type: none"> • Atoms and molecules YouTube clip • Counting atoms YouTube clip 	
Homework:	
Homework task	
Assessment:	
<ul style="list-style-type: none"> • Bell work • Assignment/Lab project • Exit quiz • End of unit review 	