

BIOLOGY BASICS UNIT 1- LESSON PLAN

Topic	Biology Basics
Lesson Title	Chemistry of Life
Lesson Number	1 -4
NGSS Standards	<ul style="list-style-type: none"> • <i>HS-LS1-6</i>. Construct and revise an explanation based on evidence for how carbon, hydrogen and oxygen from sugar molecules may combine with other elements to form amino acids and/or other large carbon-based molecules.
Learning objectives:	<ul style="list-style-type: none"> • Describe the structure of atom and name the six elements found in biological molecules. • Describe the three main types of chemical bonding.
"I can" statement:	<ul style="list-style-type: none"> • I can draw and label the structure of an atom and name the six elements found in biological molecules. • I can describe the differences between the three main types of chemical bonding.
Prior Knowledge:	
<ul style="list-style-type: none"> • None 	
Vocabulary:	
Anion, Atom, Cation, Chemical level, Compound, Covalent bond, Electron, Element, Hydrogen bond, Ion, Ionic bond, Levels of organization, Molecule, Neutron, Nucleus, Periodic table of elements, Proton	
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, 4. Exit quiz 	
Additional Resources:	
<ul style="list-style-type: none"> • See online activities 	
Homework:	
Homework task	
Assessment:	
<ul style="list-style-type: none"> • Bell work • Assignment • Exit quiz • End of unit review 	