

BIOLOGY BASICS UNIT 1- LESSON PLAN

Topic	Biology Basics
Lesson Title	Properties of Water
Lesson Number	1 -5b
NGSS Standards	<ul style="list-style-type: none">• <i>HS-ESS2-5</i>. Plan and conduct an investigation of the properties of water and its effects on Earth materials and surface processes.
Learning objectives:	<ul style="list-style-type: none">• Explain the properties of water and describe why they are important to living organisms.
"I can" statement:	<ul style="list-style-type: none">• I can explain the properties of water and describe why they are important to living organisms.
Prior Knowledge: <ul style="list-style-type: none">• Structure of the atom• Types of bonding• Structure of water• Molecular shape of water	
Vocabulary: <p>Adhesion, Boiling point, Cohesion, Covalent bond, Hydrogen bond, Melting point, Latent heat, Molecular geometry, Neutral, Phase change, Polar molecule, Solute, Solution, Solvent, Specific heat capacity, Surface tension, Universal solvent, Valence shell,</p>	
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 worksheet4. Exit quiz	
Additional Resources: <ul style="list-style-type: none">• See online activities	
Homework: <p>Homework assignment task</p>	
Assessment: <ul style="list-style-type: none">• Bell work• Assignment• Exit quiz• End of unit review	