

☀ <b>Unit 1: Matter and Change</b>	I can teach this	I can do this	I can do this with help	I cannot do this yet	Resources I can use to review this objective.
0.0 I can work safely in the laboratory.					
1.1. Explain the relationship between temperature and average speed of particles.					
1.2. Draw representations of the particles that make up solids, liquids, and gases.					
1.3. Describe how particle position, spacing, and movement results in observed shape, volume/compressibility, and diffusion of solids, liquids, & gases.					
1.4. Draw and identify representations of elements, compounds, or mixtures.					
1.5. Draw and interpret model representations of compounds given chemical formulas.					
1.6. Write and interpret chemical formulas.					
1.7. Draw model representations of chemical equations, distinguishing between subscripts ( $O_2$ ) and coefficients ( $2 Na$ ).					
1.8. Given a chemical equation, identify reactants and products and their phases (s, l, g, aq).					
1.9. Write a chemical equation given a model.					
1.10. Identify whether a physical or chemical change has occurred based on observational evidence, chemical equations, or particle-level models.					
1.11. Identify elements with similar properties based on their position on the periodic table.					
1.12. Use the periodic table to classify elements as metals, nonmetals, or metalloids.					