

Particle Theory		Grade 7: Pure Substances and Mixtures	
Curriculum Connections		Topic	Matter and Energy
		Fundamental Concepts	Matter
<p>Description In this lesson, students will learn about the particle theory of matter and how it explains the behaviour of particles at different temperatures.</p>			
<p>Big Ideas The particle theory of matter helps to explain the physical characteristics of matter.</p>		<p>Overall Expectations 3. demonstrate an understanding of the properties of pure substances and mixtures, and describe these characteristics using the particle theory.</p>	
<p>Specific Expectations 3.2 state the postulates of the particle theory of matter (all matter is made up of particles; all particles are in constant motion; all particles of one substance are identical; temperature affects the speed at which particles move; in a gas, there are spaces between the particles; in liquids and solids, the particles are close together and have strong forces of attraction between them)</p>			