

Compare the Pair Lesson Guide

Activity	Compare the Pair		Duration	15 mins
Learning Intention	To understand and compare the properties of a variety of different elements.			
Year / Level	Australian Curriculum Years 7-8	Curricular Link(s)	AC9S7U05: use particle theory to describe the arrangement of particles in a substance, including the motion of and attraction between particles, and relate this to the properties of the substance <ul style="list-style-type: none">investigating properties of materials such as density, melting point and compressibility and explaining these in terms of particle arrangement	
Resources Required	Element set 'Compare the Pair' student worksheet - Venn Diagram Internet access for element research			
Risk Assessment	Careful handling of the samples in the Elements Kit - Do not open containers			
Outline	<p>Students can work individually, in pairs or small groups.</p> <p>Students are provided with two elements from the element set and the worksheet.</p> <p>They are to complete the 'Compare the Pair' Venn Diagram worksheet based on their research into the two elements.</p> <p>They should consider:</p> <ul style="list-style-type: none">Physical characteristicsProperties of the elementsHistorical information such as discovery and purificationCommon uses <p>Students could then present their findings to the class.</p> <p>This task could also be completed in 3 minute rotations, where each group works on the task for 3 minutes and then passes it (and the elements) to the next group to continue. The worksheet could be printed A3 size to facilitate this.</p>			
Worksheet	'Compare the Pair' Student Worksheet			