

Lesson	Know	Apply	Extend
7.4.1 Extracting metals	I can state that most metals are found combined with other elements, as a compound, in ores. <input type="checkbox"/>	I can describe how Earth's resources are turned into useful materials or recycled. <input type="checkbox"/>	I can suggest ways in which waste products from industrial processes could be reduced. <input type="checkbox"/>
	I can name two processes used to extract metals from their compounds. <input type="checkbox"/>	I can justify the choice of extraction method for a metal, given data about reactivity. <input type="checkbox"/>	I can suggest how a laboratory practical is like and unlike an industrial process to extract a metal. <input type="checkbox"/>
	I can identify the features of a reaction that are hazardous. <input type="checkbox"/>	I can suggest factors to take into account when deciding whether extraction of a metal is practical. <input type="checkbox"/>	
		I can identify control measures for carrying out a reaction safely. <input type="checkbox"/>	
7.4.2 Recycling	I can state that there is only a limited quantity of any resource on Earth, so the faster it is extracted, the sooner it will run out. <input type="checkbox"/>	I can describe how Earth's resources are turned into useful materials or recycled. <input type="checkbox"/>	I can use data to evaluate proposals for recycling materials. <input type="checkbox"/>
	I can state that recycling reduces the need to extract resources. <input type="checkbox"/>	I can explain why recycling of some materials is particularly important. <input type="checkbox"/>	I can suggest ways in which changes in behaviour and the use of alternative materials may limit the consumption of natural resources. <input type="checkbox"/>
	I can draw a bar chart to represent data. <input type="checkbox"/>	I can explain why given data is best presented as a bar chart. <input type="checkbox"/>	