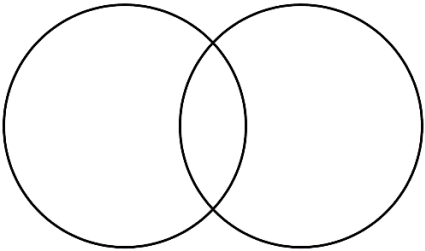


Chemistry 1 a Week Activity		Higher	47 th Week
Name:		Class:	
Ionic compounds will only conduct electricity when they are in what states? What moves to carry charge in ionic compounds? 	Complete the diagram to show the outer electrons in an oxygen molecule (O₂). 		
Calculate the mass of magnesium oxide needed to produce 1.2 tonnes of magnesium. Relative atomic masses (Ar): O = 16; Mg = 24 			
A company calculated that they would produce 1.2 tonnes of magnesium, but only 0.9 tonnes was produced. i. Calculate the percentage yield. ii. Give one reason why the calculated yield of magnesium might not be obtained. 			
Explain why graphite can conduct electricity. 	State the general formula of an alkene. Give the functional group of an alcohol. 		
Give the formula of ammonium sulfate. 	State the formula of an ammonium ion. 		
State the colour change that is observed when bromine water is shaken with ethene in a test tube. from to			