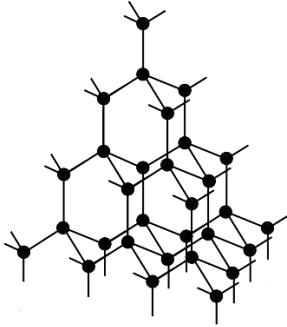


Chemistry 1 a Week Activity		Higher	1 st Week
Name: Class:			
Describe a test to show a gas is hydrogen. 	Name the following substance.  		
What is an atom? 	The formula for iron oxide is Fe ₂ O ₃ . Calculate the maximum mass of iron that can be obtained from 240 tonnes of iron oxide, Fe ₂ O ₃ . (relative atomic masses: O = 16, Fe = 56) 		
Balance the following equation. Na + 2H ₂ O → NaOH + ...H ₂			
Name the following substance. <pre> H H H H H — C — C — C — C — O — H H H H H </pre>	Explain how the structure of a nickel atom, Ni, changes when it forms a nickel ion, Ni ²⁺		
Give the electronic configuration of a chlorine atom. 	Give the formula of sulfuric acid. 		
State the group and period of aluminium. 	State the formula of an ammonium ion		
Why does graphite conduct electricity? 			