

Review C2.1 Structure and Bonding

Can you...?	😊	😐	😞
Write formula for ionic compounds from given symbols and ionic charges			
Represent the electronic structure of ions in NaCl, MgO and CaCl ₂			
Represent covalent bonds as dot and cross diagrams in molecules like water, ammonia, hydrogen chloride, methane, oxygen AND giant structures like diamond and SiO ₂			
Represent covalent bonds as single lines in molecules like water, ammonia, hydrogen chloride, methane, oxygen AND giant structures like diamond and SiO ₂			
[HT] Draw a diagram to represent bonding in metals.			
Define a compound			
Describe the process of making ions to allow ionic bonding to happen			
Draw the ions made from Group 1 metals			
Draw the ions made from Group 7 elements			
Explain why ionic compounds can form giant ionic structures			
Explain why covalent compounds are often simple molecules			
Describe and explain the properties of giant covalent structures like diamond and SiO ₂			
[HT] Explain how delocalised electrons occur in metals			