



STRUCTURE & BONDING (A)

1 Give the formula and structure type of the following substances. (8)

Name	Formula	Structure type				
		Monatomic	Molecular	Giant covalent	Ionic	metallic
potassium oxide						
diamond						
oxygen						
sodium						
argon						
ammonia						
magnesium hydroxide						
chromium(III) nitrate						

2 Draw stick and dot-cross diagrams for each of these molecules and ions. (6)

Molecule / ion	NBr_3	SF_4	AlF_4^-
Stick diagram			
Dot-cross diagram			