

Using the periodic table, how many bonds do each of the following elements have?

Element	Symbol	Bonds
Hydrogen	H	
Sodium	Na	
Carbon	C	
Nitrogen	N	
Oxygen	O	
Lithium	Li	

Element	Symbol	Bonds
Calcium	Ca	
Flourine	F	
Chlorine	Cl	
Potassium	K	
Magnesium	Mg	
Iodine	I	

For each of the following, name the elements involved, how many of each element, and then draw the structural formula.

NaCl	MgCl ₂
H ₂ O	CH ₄
CH ₄ O	CH ₂ O
C ₂ H ₆	C ₂ H ₄
C ₆ H ₆	C ₂ H ₃ Cl
NH ₃	CO ₂