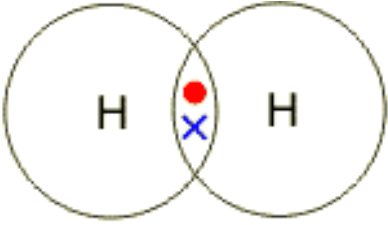


Covalent Bonding

Molecule		Structure	Dot and cross diagram
Hydrogen	H_2		
Chlorine	Cl_2		
Hydrochloric Acid	HCl		
Water	H_2O		
Methane	CH_4		
Ammonia	NH_3		

Carbon Dioxide	CO_2		
Oxygen	O_2		
Carbon Monoxide	CO		

EXTENSION Qs

1. How many electrons are involved in each covalent bond?
2. Which sort of elements form covalent bonds?
3. Where do the electrons in a covalent bond come from?
4. How many covalent bonds do the following elements form?
Carbon, Nitrogen, Chlorine, Oxygen