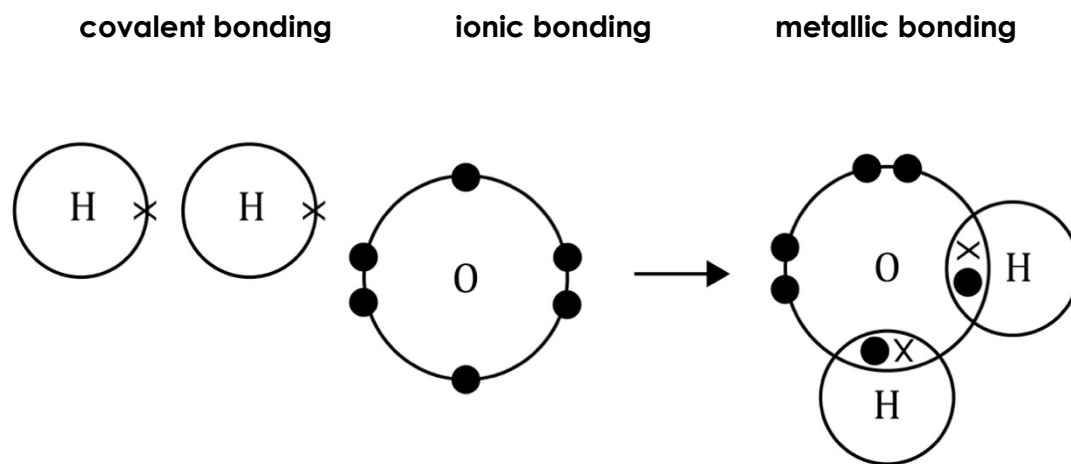




Covalent bonding: knowledge check

1.1 What type of bonding does this diagram represent? Circle the answer.



1.2 Use the words to complete the sentences.

covalent

electron

electrons

non-metal

outer

_____ bonding – this bonding occurs between
 _____ atoms. In a single covalent bond, a pair of
 _____ is shared electrons between two atoms.

These shared electrons are found in the _____ shells of
 the atoms. Each atom contributes one _____ to the
 shared pair of electrons.



Covalent bonding: test myself

2.1 What types of elements are involved in covalent bonding?

Circle the correct answer.

metal and non-metal

metals only

non-metals only

2.2 Are covalent bonds strong or weak? Use the correct word to complete the sentence.

strong

weak

Covalent bonds are _____.

2.3 Which of these is a covalent molecule? Use the correct word to complete the sentence.

carbon dioxide

sodium chloride

aluminium

The covalent molecule is _____.

2.4 How many electrons are there in a single covalent bond? Use the correct word to complete the sentence.

four

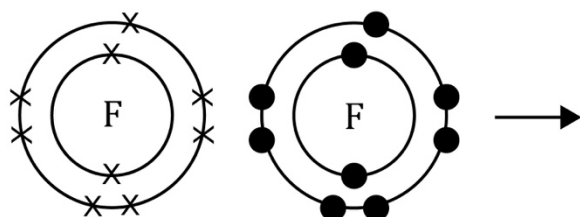
one

two

There are _____ electrons in a single covalent bond.

Covalent bonding: feeling confident? Try this!

3.1 Complete the bonding diagram to represent the bonding in fluorine.





Covalent bonding: what do I understand?

Think about your answers and confidence level for each mini-topic. Decide whether you understand it well, are unsure or need more help. Tick the appropriate column.

Mini-topic	I understand this well	I think I understand this	I need more help
I can interpret diagrams representing covalent bonds.			
I know that electrons are shared in covalent bonds.			
I know the types of elements involved in covalent bonds.			
Feeling confident? topics	I understand this well	I think I understand this	I need more help
I can complete a diagram to represent the formation of a covalent bond.			