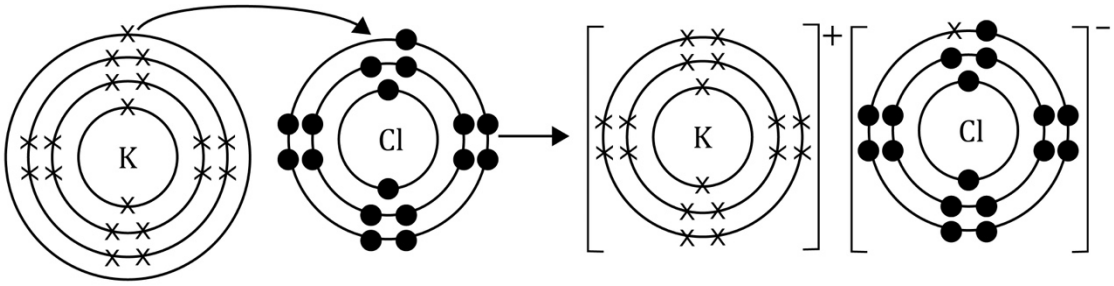
Ionic bonding: knowledge check

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

covalent bonding **ionic bonding** **metallic bonding**



1.2 Use the words to complete the sentences.

attracted **electrostatic forces** **ionic**

negatively **non-metal** **transferred**

_____ bonding – this bond is formed when electrons are _____ from a metal to a _____, forming positively charged and _____ charged ions. Strong _____ attract the oppositely charged ions to each other.

Ionic bonding: test myself

2.1 What types of elements are involved in ionic bonding?

Circle the correct answer.

metal and non-metal **metals only** **non-metals only**

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

strong **weak**

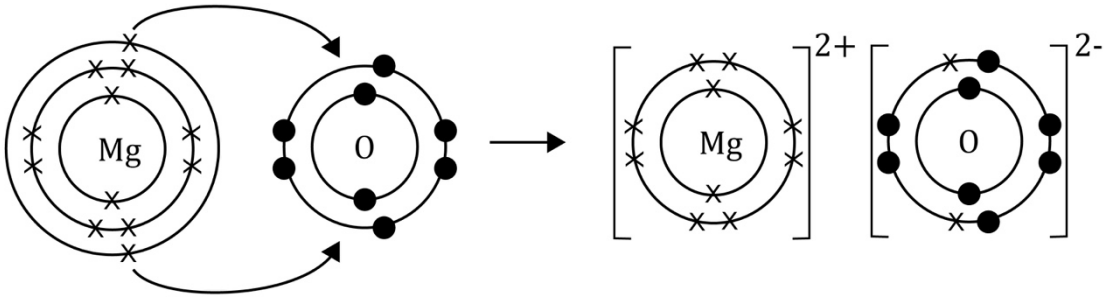
Ionic bonds are _____.

2.3 What type of forces hold the particles together in an ionic bond? Use the correct word to complete the sentence.

covalent forces **electrostatic forces** **ionic forces**

_____ of attraction hold the particles together in an ionic bond.

2.4 What do the curly arrows represent in the diagram?



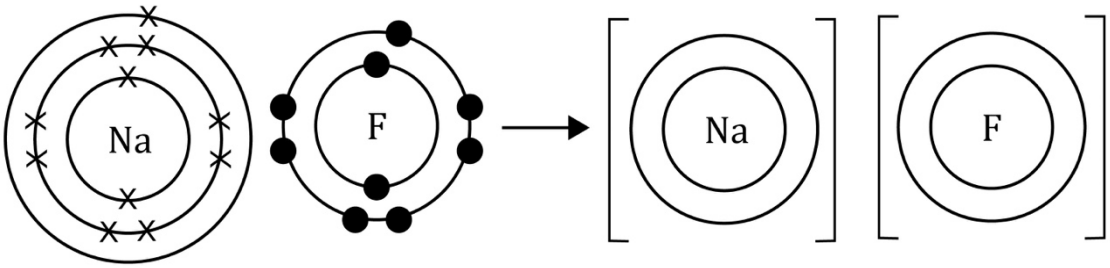
Use the correct word to complete the sentence.

atoms **electrons** **ions** **shared** **transferred**

The curly arrows represent _____ being _____ from one atom to another.

Ionic bonding: feeling confident?

3.1 Complete the bonding diagram of the reaction between sodium and fluorine.



Ionic 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 ionic bonds.			
I know that there are ions in ionic bonds.			
I know about electrostatic forces in ionic bonds.			
I know the types of elements involved in ionic 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 an ionic bond.			