

DOT AND CROSS DIAGRAM

There are two types of dot and cross diagrams that can be drawn.

1.

2.

Ionic bonding:

Between a _____ and a _____ .

To form an ionic compound, electrons are _____ or _____ .

To work out the _____ on the ion.

Look at the _____ number. If the element is in or below group _____ . Electrons are _____ .

Look at the _____ number. If the element is in or above group _____ . Electrons are _____ .

An example of a dot and cross diagram:

Draw dot and cross diagrams for:

Covalent bonding

Between a _____ and a _____ .

Electrons are _____ between _____ .

Working out dot and cross diagram.

1. Draw the central atom with its outer electrons.
2. Every _____ electron must be _____ up.
3. Try to form as many _____ as possible.
4. _____ or _____ to get the overall _____ on the _____ ion.

Q) Draw dot and cross diagrams for methane, chlorine molecule, nitrogen molecule.