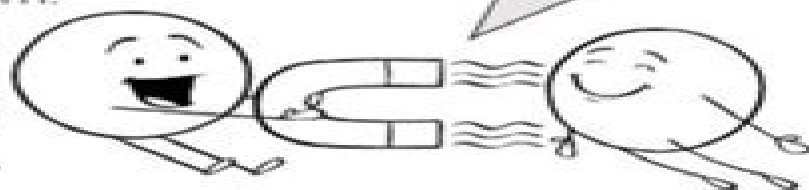


# CHEMICAL BONDS

## Ionic Bonding

Metals and non-metals react together to form \_\_\_\_\_ compounds. They are held together by ionic bonds. Ionic bonding is a force of \_\_\_\_\_ attraction between two \_\_\_\_\_ atoms (called \_\_\_\_\_). An atom becomes charged by either donating or accepting \_\_\_\_\_ electrons from another atom. A valence electron is one from the \_\_\_\_\_ shell of the atom.

Since opposites attract, there is an attraction between the positively charged and negatively charged ions that holds them together.

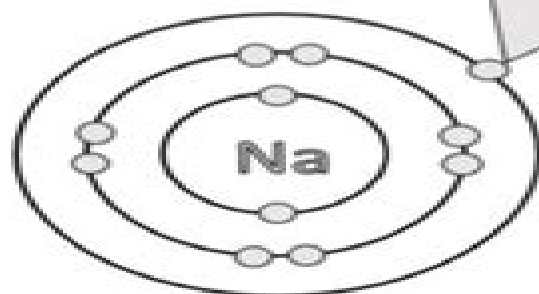


If an atom \_\_\_\_\_ an electron, it becomes positively charged. This is then called a \_\_\_\_\_. \_\_\_\_\_ always donate electrons. If an atom accepts an electron, it becomes \_\_\_\_\_. This is called an \_\_\_\_\_. Non-metals always accept electrons.

Atoms do this in order to become '\_\_\_\_\_'. A stable atom is one which has obtained a \_\_\_\_\_ of electrons.

*How do we know which atoms donate and which accept electrons?*

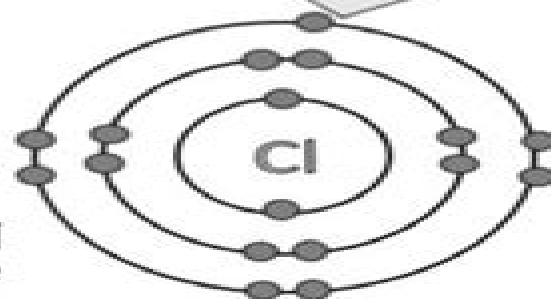
Sodium has \_\_\_\_\_ lone electron in the outer shell. It is easiest for this atom to \_\_\_\_\_ one electron than to try and find seven more to fill the outer shell.



All \_\_\_\_\_ donate electrons and therefore become cations.

All \_\_\_\_\_ accept electrons and therefore become anions.

Chlorine has \_\_\_\_\_ electrons in its outer shell. Therefore, it is easiest for Chlorine to \_\_\_\_\_ one electron than to \_\_\_\_\_ to try and donate seven.



# Ionic Bonds Worksheets For Middle School

**BM King**

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the 'BM King' text.

## **Ionic Bonds Worksheets For Middle School:**

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In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is truly astonishing. Within the pages of "**Ionic Bonds Worksheets For Middle School**," an enthralling opus penned by a very acclaimed wordsmith, readers embark on an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve to the book is central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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