#### CHEMISTRY GLOSSARY



Word	Definition
allotropes	Allotropes are structurally-different forms of an element. They differ in the way the atoms bond with each other and arrange themselves into a structure. Because of their different structures, allotropes have different physical and chemical properties
atom	All elements are made of atoms. An atom consists of a nucleus containing protons and neutrons, surrounded by electrons.
compound	A compound is a substance formed by the chemical union (involving bond formation) of two or more elements.
conduct	To allow electricity, heat or other energy forms to pass through.
covalent bond	A covalent bond between atoms forms when atoms share electrons to achieve a full outer shell of electrons.
double bond	A double bond is a covalent bond resulting from the sharing of four electrons (two pairs) between two atoms.
ductile	If a material is ductile it is capable of drawn into thin sheets or wires without braking
electron	An electron is a very small negatively-charged particle found in an atom in the space surrounding the nucleus.
electrostatic	An electrostatic force is generated by differences in electric charge (ie. positive and negative) between two particles. It can also refer to electricity at rest.
formula	A formula is a combination of symbols that indicates the chemical composition of a substance.
groups	The groups of elements in the periodic table are the elements which have the same number of electrons in their outer shells and so have similar chemical properties. A group of elements all lie in same column in the periodic table.
ion	An ion is a charged particle formed by loss or gain of electrons. When atoms lose an electron they become a positive ion, when they gain an electron they become a positive ion. When they gain an electron they become a negative ion.
lous	Charged particles formed by loss or gain of electrons. When atoms lose an electron they become a positive ion. When they gain an electron they become a negative ion.
ionic bond	An ionic bond forms between two atoms when an electron is transferred from one atom to the other, forming a positive-negative ion pair.
ionic compound	An ionic compound occurs when a negative ion (an atom that has gained an electron): The ions swap electrons to achieve a full outer shell.
isotopes	Atoms of the same elements that have different numbers of neutrons are called isotopes.
Inttice	A lattice is a regular grid-like arrangement of atoms in a material.
Inbricant	A substance used to reduce the friction between two solid surfaces.
malleable	If a material is malleable it is capable of being hammered or pressed out of shape without being likely to break or return to the original shape.
isomer	Isomer are substances that have same molecular compound but they have difference chemical and physical because they have order atoms difference.

# **Glossary Of Chemical Terms**

**KJ Lindholm-Leary** 

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