

Substituted Molecular Compounds

Name the following using Substituent Compounds

Take great care that Compounds that are substituted don't have

Number

in their compounds, which are instead known as compounds with substituents. The atoms bond together to form substituents (not) to molecules.

Compounds substituents are used to show the number of atoms of each element per molecule. This is achieved by using the prefixes and the number of atoms each represents:

mono	di	tri	tetra	penta	hexa	hepta	octa	nona	deca
1	2	3	4	5	6	7	8	9	10

Write the formula of these substituted compounds:

carbon tetrachloride CCl_4

sulfur dioxide SO_2

dinitrogen monoxide N_2O

dinitrogen trioxide N_2O_3

dinitrogen pentoxide N_2O_5

nitric oxide NO

phosphorus trichloride PCl_3

carbon dioxide CO_2

orthophosphoric acid H_3PO_4

carbon monoxide CO

Organic Compounds in General Case of Molecular Compounds

Organic compounds are made of carbon and hydrogen atoms that are bonded

Carbon. The number of the carbon atoms each has of

carbon atoms in an organic compound will determine whether the compound is saturated or unsaturated. For example, butane, the carbon atoms, is an

unsaturated compound with single bonds, but is an unsaturated compound

that has double bonds, making it an unsaturated

single bonds. The organic compounds, containing only hydrogen and

oxygen is hydrocarbon

hydrogen

and

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Mun Prasad



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