



ACROSS

- 1 A _____, olefin, or olefine is an unsaturated chemical compound containing at least one carbon-to-carbon double bond.
- 5 _____ acids are organic acids characterized by the presence of a carboxyl group.
- 7 The _____ group consists of six carbon atoms are arranged in a cyclic ring structure. A member of the aromatic family, this functional group is highly stable.
- 8 A _____ is a compound that contains the functional group composed of a sulfur atom and a hydrogen atom. Often referred to as mercaptans, these compounds are the sulfur analogues of alcohols.
- 9 A _____ halide (also known as an acid halide) is a chemical compound derived from an acid by replacing a hydroxyl group with a halide group.
- 16 Traditionally known as acetylenes or the acetylene series, the _____s are hydrocarbons that have at least one triple bond between two carbon atoms.
- 17 _____s are a class of chemical compounds and functional groups consisting of an inorganic or organic acid in which at least one -hydroxyl group is replaced by an alkoxy group.
- 18 A _____ is any organic compound in which a hydroxyl group (-OH) is bound to a carbon atom of an alkyl or substituted alkyl group
- 19 A _____ is an organic compound containing a terminal carbonyl group.
- 20 _____s, also known as Paraffins, are chemical compounds that consist only of the elements carbon and hydrogen linked together exclusively by single bonds.

DOWN

- 1 _____s are organic compounds and a type of functional group that contain nitrogen as the key atom, structurally resembling ammonia, but one or more hydrogen atoms is replaced by alkyl and aryl groups.
- 2 _____ is the general name for a class of chemical compounds which contain an oxygen atom connected to two alkyl or aryl groups.
- 3 _____ in chemistry stands for a molecule consisting of an oxygen atom and a hydrogen atom connected by a covalent bond. When the oxygen atom is linked to a larger molecule it is a functional group.
- 4 The _____s (also known as halogenoalkanes or alkyl halides) are a group of chemical compounds, consisting of alkanes, such as methane or ethane, with one or more halogens linked, such as chlorine or fluorine, making them a type of organic halide.
- 6 A _____ is an organic functional group characterized by a carbonyl group linked to a nitrogen atom.
- 10 _____ (ethanoyl), is the term for a functional group which is the acyl of acetic acid.
- 11 A carbonate _____ is a functional group in organic chemistry consisting of a carbonyl group flanked by two alkoxy groups.
- 12 _____ is a four-carbon alkyl substituent derived from either of the two isomers of the alkane called butane.
- 13 A _____ group is a functional group composed of a carbon atom double-bonded to an oxygen atom.
- 14 _____ is the substituent form of the alkane propane.
- 15 A _____ is either the functional group characterized by a carbonyl group linked to two other carbon atoms or a chemical compound that contains this functional group.