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ch103 chapter 7 chemical reactions in biological systems chemistry Jul 07 2020 the formation or removal of carbon carbon double bonds is also used in

synthetic organic chemistry reactions to create desired organic molecules one of these types of reactions is called a hydrogenation reaction where a molecule of hydrogen H_2 is added across a C=C double bond reducing it to a C-C single bond

particulates wikipedia Oct 10 2020 particulates also known as atmospheric aerosol particles atmospheric particulate matter particulate matter pm or suspended particulate matter spm are microscopic particles of solid or liquid matter suspended in the air the term aerosol commonly refers to the particulate air mixture as opposed to the particulate matter alone sources of particulate matter can be

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glucose wikipedia Jan 31 2020 glucose is usually present in solid form as a monohydrate with a closed pyran ring dextrose hydrate in aqueous solution on the other hand it is an open chain to a small extent and is present predominantly as α or β pyranose which interconvert from aqueous solutions the three known forms can be crystallized α glucopyranose β glucopyranose and γ glucopyranose

aromaticity wikipedia Aug 20 2021 in chemistry aromaticity is a property of cyclic ring shaped typically planar flat molecular structures with pi bonds in resonance those containing delocalized electrons that gives increased stability compared to saturated compounds having single bonds and other geometric or connective non cyclic arrangements with the same set of atoms aromatic rings are very stable

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ch105 chapter 9 organic compounds of oxygen chemistry Jul 19 2021 recall that physical properties are determined to a large extent by the type of intermolecular forces table 9 1 lists the molar masses and the boiling points of some common compounds the table shows that substances with similar molar masses can have quite different boiling points

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substitution reaction wikipedia Nov 10 2020 in organic and inorganic chemistry nucleophilic substitution is a fundamental class of reactions in which a nucleophile selectively bonds with or attacks the positive or partially positive charge on an atom or a group of atoms as it does so it replaces a weaker nucleophile which then becomes a leaving group the remaining positive or partially positive atom becomes an electrophile

nucleophilic acyl substitution wikipedia Sep 28 2019 nucleophilic acyl substitution describe a class of substitution reactions involving nucleophiles and acyl compounds in this type of reaction a nucleophile such as an alcohol amine or enolate displaces the leaving group of an acyl derivative such as an acid halide anhydride or ester the resulting product is a carbonyl containing compound in which the nucleophile has

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phenyl group wikipedia Jan 01 2020 in organic chemistry the phenyl group or phenyl ring is a cyclic group of atoms with the formula c 6 h 5 and is often represented by the symbol ph phenyl group is closely related to benzene and can be viewed as a benzene ring minus a hydrogen which may be replaced by some other element or compound to serve as a functional group phenyl group has six carbon

alkene wikipedia Nov 30 2019 in organic chemistry an alkene is a hydrocarbon containing a carbon carbon double bond alkene is often used as synonym of olefin that is any hydrocarbon containing one or more double bonds two general types of monoalkenes are distinguished terminal and internal also called ? olefins terminal alkenes are more useful citation needed however the international

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