

## SECTION OVERVIEW

### 21.2: Alkenes and Alkynes

Alkenes are a class of [hydrocarbons](#) (e.g, containing only carbon and hydrogen) unsaturated compounds with at least one carbon-carbon double bond. Another term used to describe alkenes is olefins. Alkenes are more reactive than [alkanes](#) due to the presence of the double bond.

Alkynes are organic molecules made of one ore more carbon-carbon triple bonds. They are unsaturated hydrocarbons and are written in the empirical formula of  $C_nH_{2n-2}$ .



Nomenclature of Alkynes



Properties of Alkynes



Reactivity of Alkynes



Synthesis of Alkynes

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