

Alkyne

Based on the structural formula,

1. Type the number of carbon atom
2. Type the name of the alkyne
3. Complete the molecular formula

Number of carbon atom	Name of alkyne	Molecular formula	Structural formula
			$\begin{array}{ccccccc} & & & \text{H} & \text{H} & \text{H} & \text{H} \\ & & & & & & \\ \text{H} & - & \text{C} \equiv & \text{C} & - & \text{C} & - & \text{C} & - & \text{C} & - & \text{C} & - & \text{H} \\ & & & & & & \\ & & & \text{H} & \text{H} & \text{H} & \text{H} \end{array}$
			$\begin{array}{ccccccc} & \text{H} & & \text{H} & & \text{H} & \\ & & & & & & \\ \text{H} & - & \text{C} & - & \text{C} & - & \text{C} & - & \text{C} \equiv & \text{C} & - & \text{H} \\ & & & & & & \\ & \text{H} & & \text{H} & & \text{H} & \end{array}$
			$\text{H} - \text{C} \equiv \text{C} - \text{H}$
			$\begin{array}{ccccccc} & & & \text{H} & & \text{H} & \\ & & & & & & \\ \text{H} & - & \text{C} \equiv & \text{C} & - & \text{C} & - & \text{C} & - & \text{H} \\ & & & & & & \\ & & & \text{H} & & \text{H} & \end{array}$
			$\begin{array}{ccccccc} & & & \text{H} & & & \\ & & & & & & \\ \text{H} & - & \text{C} \equiv & \text{C} & - & \text{C} & - & \text{H} \\ & & & & & & \\ & & & \text{H} & & & \end{array}$

General formula of alkyne is :

Functional group :

Type of hydrocarbon :