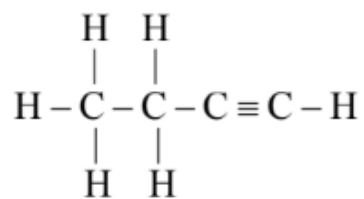


Q8 What will be the IUPAC name of the compound below?



(A) But-2-yne
(C) But-3-yne

(B) But-1-yne
(D) But-1-ene



Answer Key

Q1 D

Q2 C

Q3 D

Q4 A

Q5 D

Q6 D

Q7 B

Q8 B



[Android App](#)



[iOS App](#)



[PW Website](#)

Hints & Solutions

Note: scan the QR code to watch video solution

Q1 Text Solution:

If any C in the chain is connected to more than two carbon atoms, it is not considered as a straight-chain hydrocarbon.

(D) is not a straight-chain hydrocarbon.

Video Solution:



Q2 Text Solution:

(ii) and (iv) are unsaturated hydrocarbons.

Video Solution:



Q3 Text Solution:

C_5H_{11} is the correct chemical formula of pentyl.

Video Solution:



Q4 Text Solution:

The name of the compound is propanal.

Video Solution:



Q5 Text Solution:

Heteroatoms are atoms other than carbon and hydrogen in an organic molecule.

In $CH_3-CH_2-O-CH_2-CH_2Cl$, the heteroatoms are:

(i) oxygen (O)

(iv) chlorine (Cl)

Video Solution:



Q6 Text Solution:

(D) is the correct structural formula of butanoic acid.

Video Solution:



Q7 Text Solution:

The $-OH$ group is the functional group of alcohols.

Among the options, Butanol is an alcohol.

Video Solution:



**Q8 Text Solution:**

The triple bond is at the first carbon from the right end in a 4-carbon chain but-1-yne.

Video Solution:[Android App](#)[| iOS App](#)[| PW Website](#)