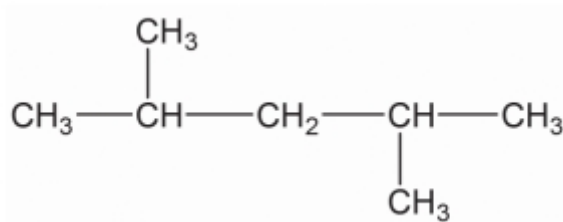


## Nomenclature of organic compounds and isomerism

### Nomenclature of hydrocarbons with more than one branch

a)



Number of carbon atoms in the main chain:5

Number of branches: 2

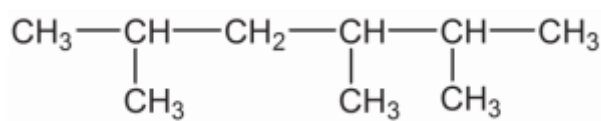
Position of the first branch while numbering from left to right :2,4

Position of the first branch while numbering from right to left :2 ,4

Correct way of numbering : 2,4

IUPAC name : 2, 4-Dimethylpentane

b)



Number of carbon atoms in the main chain:6

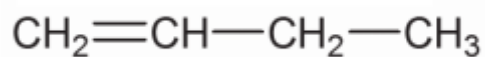
Number of branches: 3

Correct way of numbering : 2,3,5

IUPAC name : 2,3,5-Trimethylhexane

## Nomenclature of unsaturated Hydrocarbons

a)



IUPAC name: But-1-ene

b)



IUPAC Name :Pent-2-ene

c)

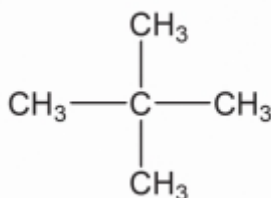


IUPAC Name : But-2-yne

## Questions

1. Find the IUPAC name of the following compounds

a)



b)



**2. Draw the structure of following compounds**

**a) 2,3,3-Trimethylpentane**

**b) 3,3-Diethylpentane**

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