

Naming Alkane Isomers

Main Rules

1. Number and name the longest chain of carbon atoms
2. Look for the branches
3. Find the number of the carbon atom to which the branch is attached.

(Number from whichever end gives the lowest numbers)
4. Complete by adding the number and name of the branch to the carbon chain

Small Print

di-, tri etc used for more than one branch of same kind

branches in alphabetical order

comma's between numbers

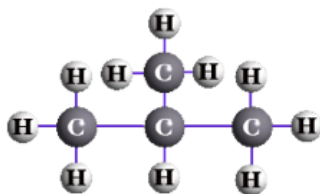
eg 2,2 or 2,3

hyphens separate numbers from letters

eg 2,2-dimethyl

no gaps between names

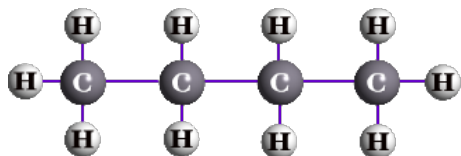
eg methylpropane



Structural Formula

Molecular Formula

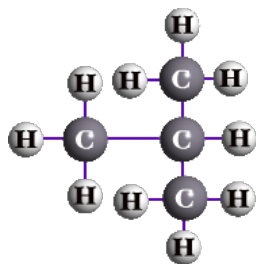
Name



Structural Formula

Molecular Formula

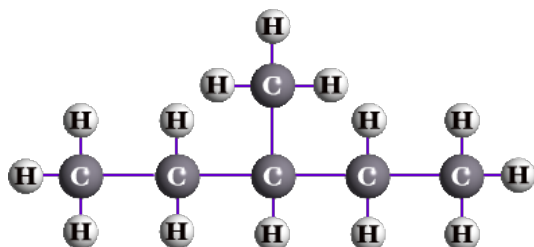
Name



Structural Formula

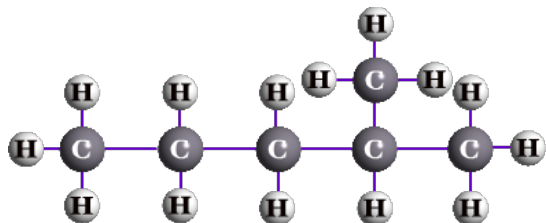
Molecular Formula

Name



Molecular Formula

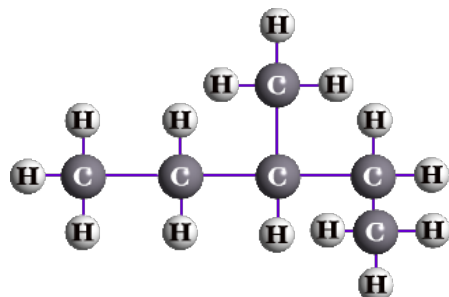
Name



Structural Formula

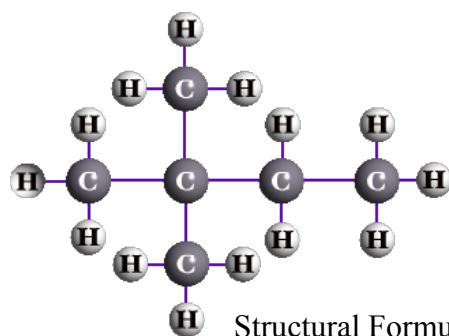
Molecular Formula

Name



Molecular Formula

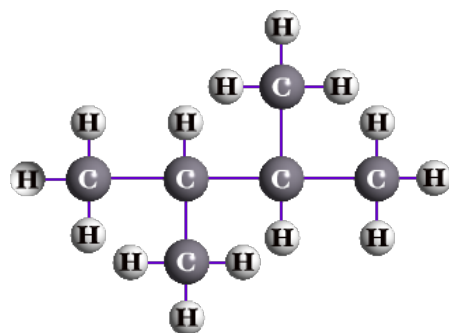
Name



Structural Formula

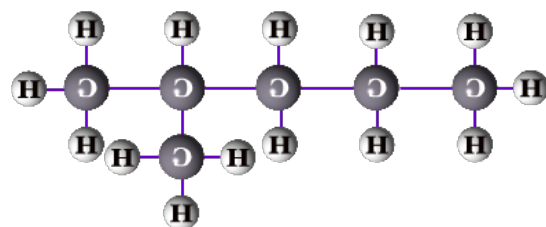
Molecular Formula

Name



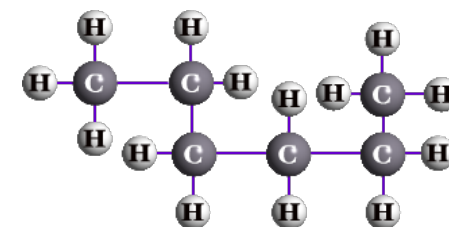
Molecular Formula

Name



Molecular Formula

Name



Molecular Formula

Name