

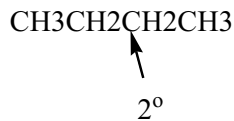
## Classification of carbon and hydrogen atoms:

Carbon atoms can be classified into four types:

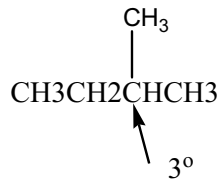
1- **Primary carbon atom ( $1^\circ$ ):** when the carbon atom is attached with only one carbon atom directly



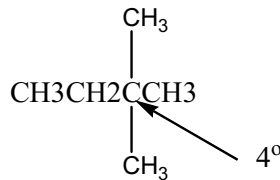
2- **Secondary carbon atom ( $2^\circ$ ):** when the carbon atom is attached with only two carbon atoms directly



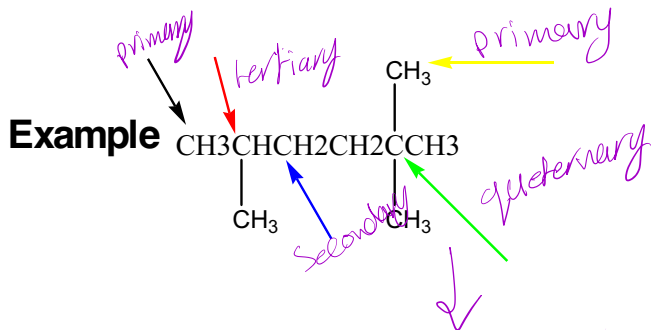
3- **Tertiary carbon atom ( $3^\circ$ ):** when the carbon atom is attached with only three carbon atoms directly



4- **Quaternary carbon atom ( $4^\circ$ ):** when the carbon atom is attached with only four carbon atoms directly



### Hydrogen atoms are classified according to the carbon atoms attached with



Handwritten notes in Urdu:

پہلے سے ہی C کی سب سے زیادہ H  
 موجود ہے اس لیے  
 primary C کی زیادہ سے زیادہ  
 primary H ہے

Handwritten notes in Urdu:

اس لیے اس  
 کو بھی H primary ہی  
 کہیں گے

بہتر

میں جو C کے ساتھ  
Environment

یعنی ایک قدرتی ماحول  
Quaternary Carbon  
انہی کے ساتھ

تھیں کہ وہ