

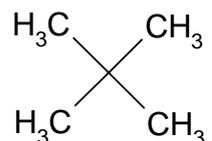
## Answer on Question #43795 - Chemistry - Other

### Question:

The number of hydrogen atoms in dimethylpropane is?

### Solution.

The structure formula of propane is  $\text{CH}_3\text{--CH}_2\text{--CH}_3$ . Then if we add two methyl to propane, we will obtain dimethylpropane:



The molecular formula of dimethylpropane is  $\text{C}_5\text{H}_{12}$ . The number of hydrogen atoms is 12.

**Answer:** 12 hydrogen atoms.