Answer on Question #43792 - Chemistry - Other

Question:

The numberr of C - H bonds in methylbutane is?

Solution:

The structure formula of butane is $CH_3 – CH_2 – CH_2 – CH_3$. The methyl is CH_3. We can add this part to create methylbutane in any places of butane. The molecular formula of methylbutane is C_5H_{12}. The number of C - H bonds in methylbutane equals number of hydrogen atoms. So, the numberr of C - H bonds in methylbutane are 12.

Answer: 12 C - H bonds.