Geminal hydrogens are the hydrogen atoms on the same atom in an organic molecule.

eg. 1:

\[
\begin{align*}
\text{H}_1 & \\
\text{H}_2 & \quad \text{C} \quad \text{Cl} \\
\text{H}_3 &
\end{align*}
\]

1

H₁, H₂, and H₃ in 1 are on the same carbon atom. Therefore, they are geminal hydrogens.

eg. 2:

\[
\begin{align*}
\text{H}_1 & \\
\text{C} & \quad \text{C} \\
\text{H}_2 & \quad \text{Cl}
\end{align*}
\]

2

H₁ and H₂ in 2 are on the same carbon atom. Therefore, they are geminal hydrogens.

- see also vicinal hydrogens

Contributors

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