









Which compound is an isomer of  $C_4H_9OH$ ?

- a.  $C_3H_7CH_3$
- b.  $C_2H_5OC_2H_5$
- c.  $C_2H_5COOC_2H_5$
- d. CH<sub>3</sub>COOH

Question 5 Give the compound:  $\begin{array}{c}
H & H & H \\
H - C - C - C - C \\
H & H & H
\end{array}$ What structural formula represents an isomer?  $\begin{array}{c}
H & H & H \\
H & H & H
\end{array}$   $\begin{array}{c}
H & H & H \\
H & H & H
\end{array}$   $\begin{array}{c}
H & H & H \\
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H & H & H \\
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H & H & H \\
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H & H & H \\
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H & H & H \\
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\end{array}$   $\begin{array}{c}
H & H & H \\
H & H & H
\end{array}$ 

A)

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Which pair of compounds are isomers?

- a.  $NO_2 \mbox{ and } N_2O_4$
- b.  $P_2O_5 \mbox{ and } P_4O_5$
- c. HCOOH and  $CH_3COOH$
- d.  $CH_3OCH_3$  and  $C_2H_5OH$



If two compounds are isomers, they must have the same

- a. Vapor pressure
- b. Boiling point
- c. Percentage composition
- d. Structure

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Given the structural formula for butane, draw the structural formula of an isomer of butane.





Given the structural formula of pentane, draw a structural formula for an isomer of pentane.











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