NUNAVUT CHEMISTRY 30 · UNIT C · 5 QUESTIONS

Organic Chemistry — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **Red formula race car speeding toward the camera, front view, large in frame. The general molecular formula for an alkyne with n carbon atoms is**



A C_nH_{2n+2}

B C_nH_{2n}

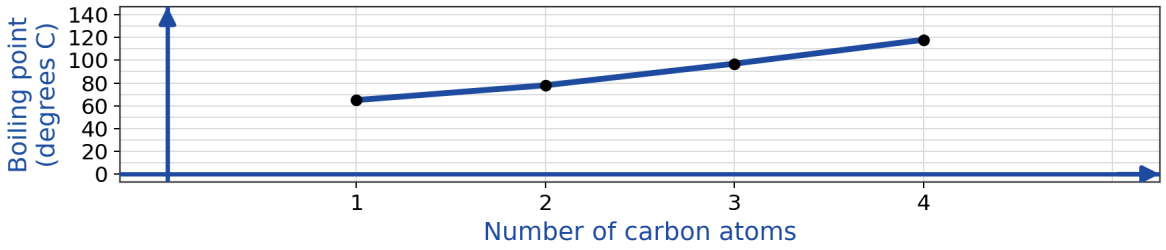
C C_nH_{2n-2}

D C_nH_n

Understand It with Pulse

Flag a mistake

2 **The graph shows the boiling points of alcohols against the number of carbon atoms in the molecule. The boiling point of ethanol, which has two carbon atoms, is**



- **A** 65°C
- **B** 78°C
- **C** 97°C
- **D** 118°C

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3 **The number of hydrogen atoms in one molecule of hex-2-ene is**

ANSWER _____

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4 **The compound CH_3CH_2COOH is classified as**

- **A** a carboxylic acid
- **B** an ester
- **C** an alcohol
- **D** an alkane

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5 **Ethene reacts with hydrogen gas in the presence of a nickel catalyst to produce ethane. This reaction is classified as**

- **A** substitution
- **B** addition
- **C** elimination
- **D** esterification

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ANSWER KEY

1. C
2. B
3. 12
4. A
5. B

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