ALBERTA 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

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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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