



SoulShift - Educational Q&A Platform

General Questions

Practice Questions



Q1. What is the correct IUPAC name for the compound with the structure $\text{CH}_3\text{-CH}_2\text{-CH(CH}_3\text{)-CH}_2\text{-CH}_3$?

- A. 3-methylpentane
- B. 2-methylpentane
- C. 4-methylpentane
- D. 2,3-dimethylbutane

Solution: The longest chain has five carbons, and the methyl group is on the third carbon, making it 3-methylpentane.

Q2. What is the correct IUPAC name for the compound $\text{CH}_3\text{-CH}_2\text{-CH(CH}_3\text{)-CH}_2\text{-CH}_3$?

- A. 3-methylpentane
- B. 2-methylpentane
- C. 4-methylpentane
- D. 2,2-dimethylbutane

Solution: The longest chain has five carbons, and the methyl group is on the third carbon, making it 3-methylpentane.



