



# **SoulShift - Educational Q&A Platform**

## **General Questions**

Practice Questions



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

- 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  $\text{CH}_3\text{-CH}_2\text{-CH}(\text{CH}_3)\text{-CH}_2\text{-CH}_3$ ?**

- 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.*



