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General Questions

Practice Questions

Q1. What is the correct IUPAC name for the compound with the structure CH3-CH2-CH(CH3)-CH2-CH3?

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 CH3-CH2-CH(CH3)-CH2-CH3?

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.

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