



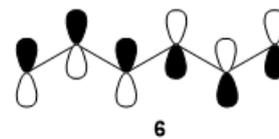
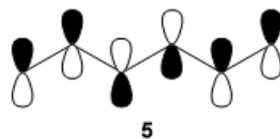
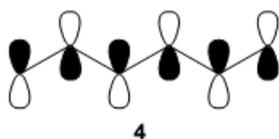
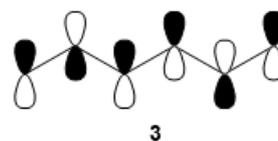
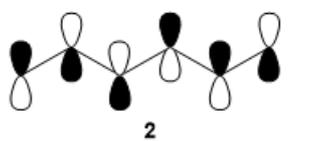
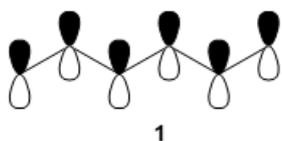
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The π -molecular orbitals of E-1, 3, 5-hexatriene are shown below, but not in correct order of energy. Based on these orbital representations, choose the electronic transition that is responsible for the longest wavelength UV absorbance of E-1, 3, 5-hexatriene.



- (A) 1 to 4 (B) 1 to 6 (C) 2 to 3 (D) 5 to 2 (E) 6 to 4 (F) 6 to 5

VIDEO SOLUTION



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