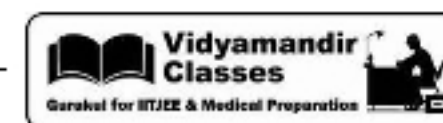


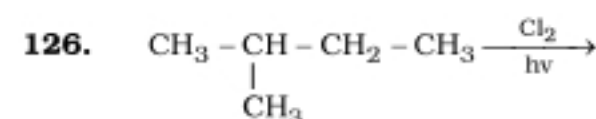


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of 2



Date Planned : __ / __ / __	Daily Tutorial Sheet-11	Expected Duration : 90 Min
Actual Date of Attempt : __ / __ / __	Numerical Value Type	Exact Duration : _____



How many chiral centers are generated during monochlorination in the above reaction ?

127. How many of the below given carbides yields methane upon Hydrolysis ?

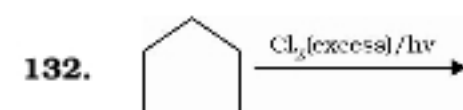
Al_4C_3 , Mg_2C_3 , B_4C , Be_2C , La_4C_3 , SiC

128. The number of structural and configurational isomers of a bromo compound, $\text{C}_5\text{H}_9\text{Br}$ formed by addition of HBr to pent-2-yne respectively are x and y. Find the value of $x + y$.

129. How many carbon atoms does an alkane (not a cycloalkane) need before it can exist in enantiomeric form?

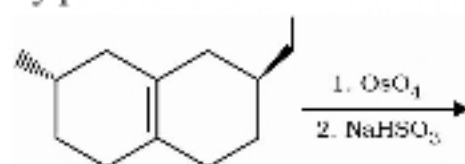
130. How many chain isomers are possible for molecular formula C_6H_{14} ?

131. On catalytic reduction (H_2 / Pt) how many alkenes will give 2-methylbutane ?

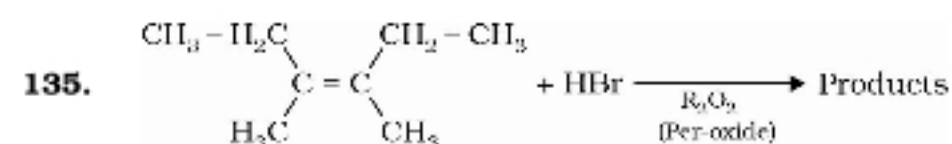
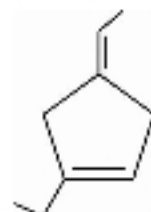


How many dichloro products are formed in the above reaction (including stereoisomers) ?

133. How many products will be formed in this reaction ?



134. If the following compound is treated with Pd/C in excess of hydrogen gas, how many stereoisomers of the product will be obtained ?



How many products will be formed in above reaction ?

136. How many carbon-hydrogen bond orbitals are available for overlap with the vacant p-orbital in ethyl carbocation ?

137. Catalytic hydrogenation of the following compound produces saturated hydrocarbon(s). The number of stereoisomer(s) formed is :

