

## Worksheet: Hydrocarbons

Madhya Pradesh State Board · Class 11 · Chemistry · 5 questions · 14 marks

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_ / 14

**Q1.** Predict the product of  $\text{CH}_3\text{-CH=CH}_2 + \text{H}_2\text{O}$  with an acid catalyst. [3 marks]

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**Q2.** Identify A and B:  $\text{CH}_3\text{COONa} + \text{NaOH}$ (soda lime)  $\rightarrow$  A; A +  $\text{Cl}_2/\text{UV}$   $\rightarrow$  B. [3 marks]

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**Q3.** What is the peroxide effect? Give an example. [2 marks]

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**Q4.** Why does benzene undergo electrophilic substitution rather than addition? [3 marks]

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**Q5.** How would you distinguish ethane, ethene, and ethyne? [3 marks]

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