

Worksheet: Hydrocarbons

IB · 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]*

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

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

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

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