

## Worksheet: Aldehydes, Ketones, and Carboxylic Acids

Gujarat State Board · Class 12 · Chemistry · 5 questions · 12 marks

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

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

Score: \_\_\_\_\_ / 12

**Q1.** Distinguish between ethanal and acetone. [2 marks]

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**Q2.** Predict the product:  $\text{C}_6\text{H}_5\text{CHO} + \text{conc. NaOH}$ . [2 marks]

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**Q3.** Which is more reactive towards nucleophilic addition,  $\text{CH}_3\text{CHO}$  or  $\text{C}_6\text{H}_5\text{COCH}_3$ , and why? [3 marks]

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**Q4.** Arrange in increasing order of acidity:  $\text{CH}_3\text{COOH}$ ,  $\text{CCl}_3\text{COOH}$ ,  $\text{HCOOH}$ ,  $\text{C}_6\text{H}_5\text{COOH}$ . [3 marks]

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**Q5.** What happens when acetaldehyde is treated with dilute  $\text{NaOH}$ ? [2 marks]

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