

AS Level Chemistry B
H033/01 Foundations of chemistry

Question Set 12

Multiple Choice Questions

1 What is the functional group in the compound $\text{CH}_3\text{COOCOC}_2\text{H}_5$?

- A carboxylic acid
- B ester
- C acid anhydride
- D ketone

Your answer

[1]

2 Which of the following is a cyclic saturated aliphatic compound?

- A cyclohexene
- B cyclohexane
- C benzene
- D hexane

Your answer

[1]

3 Name the functional group in HCHO .

- A aldehyde
- B ketone
- C alcohol
- D carboxylic acid

Your answer

[1]

4 Which term correctly describes cyclohexane?

- A Arene
- B Alkene
- C Aliphatic
- D Unsaturated

Your answer

[1]

5 The mass spectrum of ethanoic acid has a peak at m/z 45. Which species could cause this?

- A CH_3COOH^+
- B COOH^+
- C $^{13}\text{CH}_3\text{COOH}^+$
- D CH_3^+

Your answer

[1]

Total Marks for Question Set 12: 5

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