

Multiple Choice Questions

1 Which molecule contains a carbon-carbon double bond:

- A. Ethane
- B. Ethene
- C. Ethyne
- D. Ethyl Alcohol

2 Which product is obtained when chloromethane (or methyl chloride) is reduced?

- A. Ethane
- B. Ethene
- C. Methane
- D. Ethyne

3 Which reacts explosively with Methane?

- A. F_2
- B. Cl_2
- C. Br_2
- D. I_2

4 By dehydration we mean the removal of

- A. Hydrogen
- B. Halogen
- C. Water
- D. Hydrogen halide

5 Ethene and ethyne can be differentiated by

- A. Hydrogenation
- B. Bromine Water
- C. Dilute alkaline aqueous solution of $KMnO_4$
- D. Dehydrohalogenation

6 Which is used for dehydrohalogenation

- A. Br_2 water
- B. Conc. H_2SO_4
- C. Al_2O_3
- D. Alcoholic KOH

7 Which substance reacts with $KMnO_4$ to produce oxalic acid?

- A. Ethane
- B. Ethene
- C. Ethyne
- D. Ethyl Alcohol

8 The reduction of alkyl halides takes place in the presence of

- A. Al_2O_3 at $350^\circ C$
- B. Conc. H_2SO_4 at $170^\circ C$
- C. Zn+ dust
- D. Zn+ HCl

9 Which process produces an alkane?

- A. Combustion
- B. Dehydration
- C. Hydration
- D. Hydrogenation

Does not react with aqueous solution of bromine

- A. C_2H_6
- B. C_2H_4
- C. C_2H_2
- D. C_3H_6

Correct Answers

- | | | | | |
|------|------|------|------|-------|
| 1. B | 2. C | 3. A | 4. B | 5. C |
| 6. D | 7. C | 8. D | 9. D | 10. A |

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