

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
C. C_2H_2

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

