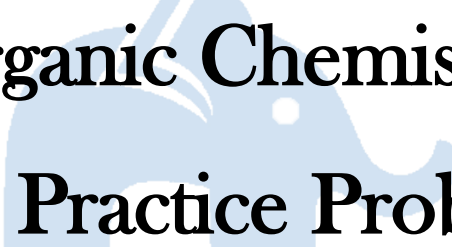


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Class 10 - ICSE

CHEMISTRY

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Organic Chemistry
Daily Practice Problems

Question 1:

What is organic chemistry? [Level: Easy]

Question 2:

What is Isomerism? [Level: Easy]

Question 3:

Define Hydrocarbons? [Level: Moderate]

Question 4:

What is a homologous series? [Level: Difficult]

Question 5:

Write the structural formula for the given compounds.

- 1) 4-Methyl-2-butyne
- 2) 2-Butene [Level: Moderate]



Question 6:

Define addition reactions with an example? [Level: Moderate]

Question 7:

Write the balanced chemical equations for the following reactions:

- 1) When ethane reacts with chlorine.
- 2) When ethane gas is treated with HCl.
- 3) When ethane is burnt in excess of oxygen. [Level: Easy]

Question 8:

Why is methane (CH_4) called a greenhouse gas? [Level: Easy]

Question 9:

What are the harmful effects of ethanol on the human body? [Level: Moderate]

Question 10:

What is glacial acetic acid? [Level: Moderate]

Question 11:

What are the physical and chemical properties of alcohol? [Level: Moderate]

Question 12:

What are the sources of alkanes alkynes and alcohols?

Question 13:

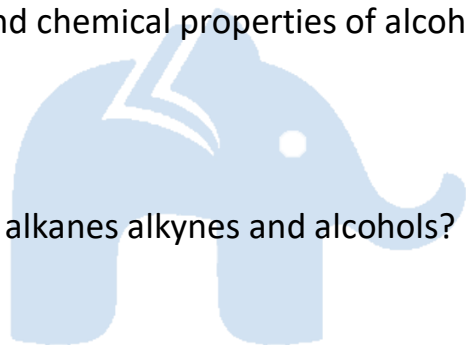
List out the uses of acetic acid? [Level: Moderate]

Question 14:

What are carboxylic acids? Give the general formula of carboxylic acids. [Level: Easy]

Question 15:

Explain in detail how methane (CH_4) and ethane (C_2H_6) are prepared in the laboratory? [Level: Moderate]



Question 16:

What are the uses of ethene? [Level: Moderate]

Question 17:

Define substitution reaction [Level: Moderate]

Question 18:

Give the structure for the following compounds?

1. Prop-1-ene.
2. Ethanol.
3. 3-hexene.
4. Vinegar.
5. Acetone. [Level: Easy]



Question 19:

What is pyrolysis or cracking? [Level: Difficult]

Question 20:

What happens when ethylene (C_2H_4) is passed through the alkaline $KMnO_4$ solution? [Level: Moderate]
