

Topics: Carbon and its Compounds**Subtopics: Some important Carbon Compounds – Ethanol and Ethanoic acid****Subtopics: Soaps and Detergents****Questions**

Q1. How is vinegar made?

Q2. What is glacial acetic acid?

Q3. Intake of even a small quantity of methanol can be lethal. Comment.

Q4. Some esters are added to food items for special smells. An ester can be made from ethanol and ethanoic acid:

i. Name the ester which is obtained due to the chemical reaction between ethanol and ethanoic acid in the presence of concentrated sulphuric acid and write the chemical equation.

ii. Name the process.

Q5. How can ethanol and ethanoic acid be differentiated on the basis of their physical properties?

Q6. How can ethanol and ethanoic acid be differentiated on the basis of their chemical properties?

Q7. Why does micelle formation take place when soap is added to water? Will a micelle be formed in other solvents such as ethanol also?

Q8. Explain the formation of scum when hard water is treated with soap.

Q9. Explain the cleansing action of soaps.

Q10. Write the name and the formula of the two compounds formed when the ester, $\text{CH}_3\text{COOC}_2\text{H}_5$ undergoes saponification.