

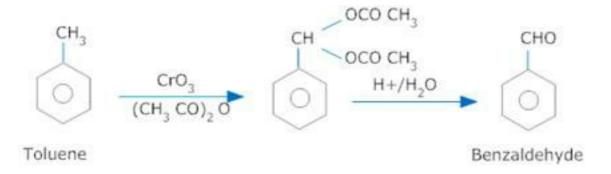
CBSE Class 12 physics Important Questions Chapter 12

Aldehydes Ketones and Carboxylic Acids

3 Mark Questions

1. Toluene to benzaldehyde

Ans.



2. Acetaldehyde to Acetamide

Ans.

CH₃CHO
$$\stackrel{\text{(O)}}{\longleftarrow}$$
 CH₃COOH $\stackrel{\text{NH}_3}{\longrightarrow}$ CH₃COO NH₄ $\stackrel{\text{CH}_3}{\longrightarrow}$ CH₃CONH₂ Acetamide

3. Methanol to acetic acid

Ans.

$$CH_3OH + SOCI_2$$
 CH_3CI CH_3CN CH_3CN CH_3COOH CH_3O/H CH_3COOH Acetic acid

4. Methanol to Ethanol

Ans.



Methanol

5. Acetic acid to Propionic acid

Ans.

6. Ethyl alcohol to acetone

Ans.

7. Acetone to tert butyl alcohol

Ans.

CH₃
$$\stackrel{\text{C}}{-}$$
 CH₃ $\stackrel{\text{C}}{-}$ CH₃ $\stackrel{\text{C$

8. Toluene to m- nitrobenzoic acid

Ans.



9. Phenol to acetophenone

Ans.

10. Acetaldehyde to Acetone

Ans.

CH₃ CHO
$$\stackrel{\text{(O)}}{\leftarrow}$$
 CH₃COOH $\stackrel{\text{Ca(OH)}_2}{\leftarrow}$ Ca $\stackrel{\text{CH}_3}{\leftarrow}$ COO $\stackrel{\text{CH}_3}{\leftarrow}$ CH₃ COO $\stackrel{\text{CH}_3}{\leftarrow}$ C

11. Give the IUPAC names of the following compounds:

(ii)
$$(CH_3)_2 C = CHCOOH$$

(iii)



(iv)

$$O_2N$$
 COOH O_2

Ans. (i) 3-Phenylpropanoic acid

(ii) 3-Methylbut-2-enoic acid

(iii) 2-Methylcyclopentanecarboxylic acid

(iv)2,4,6-Trinitrobenzoic acid