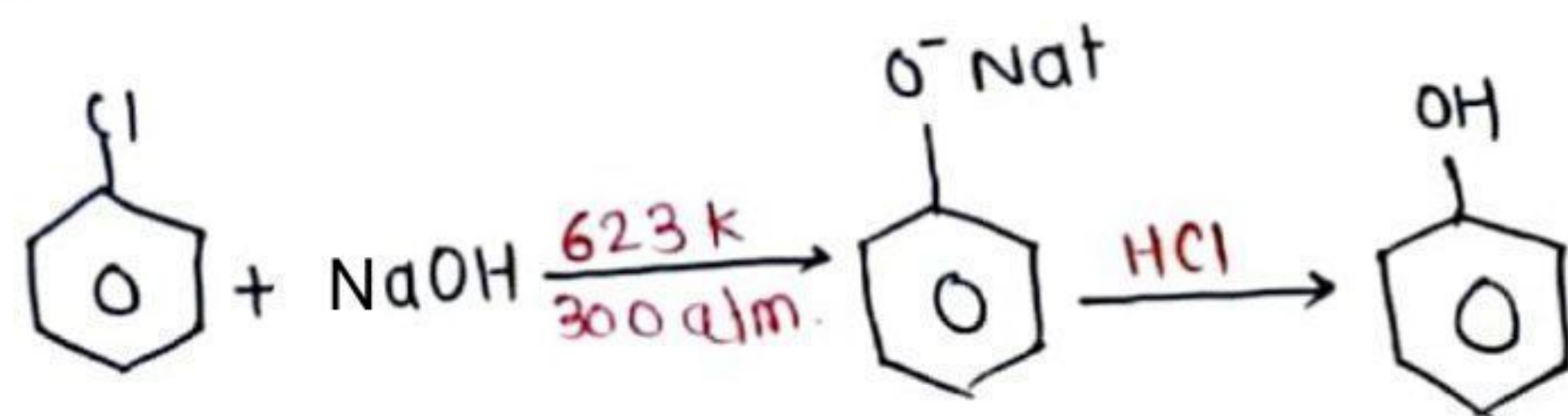
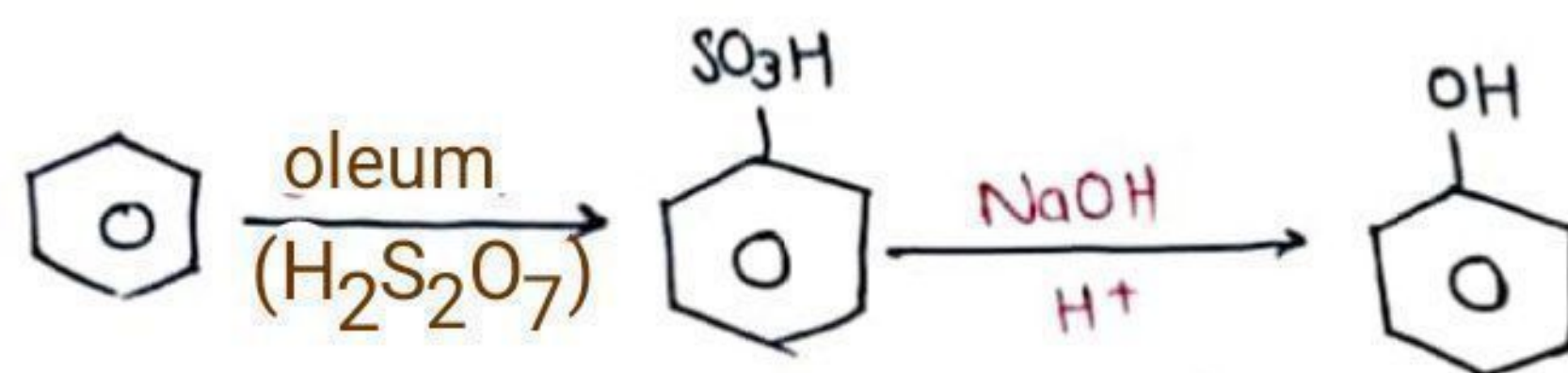


FORMATION OF PHENOL:

① From Haloarenes:



② From Benzene Sulphonic Acid:



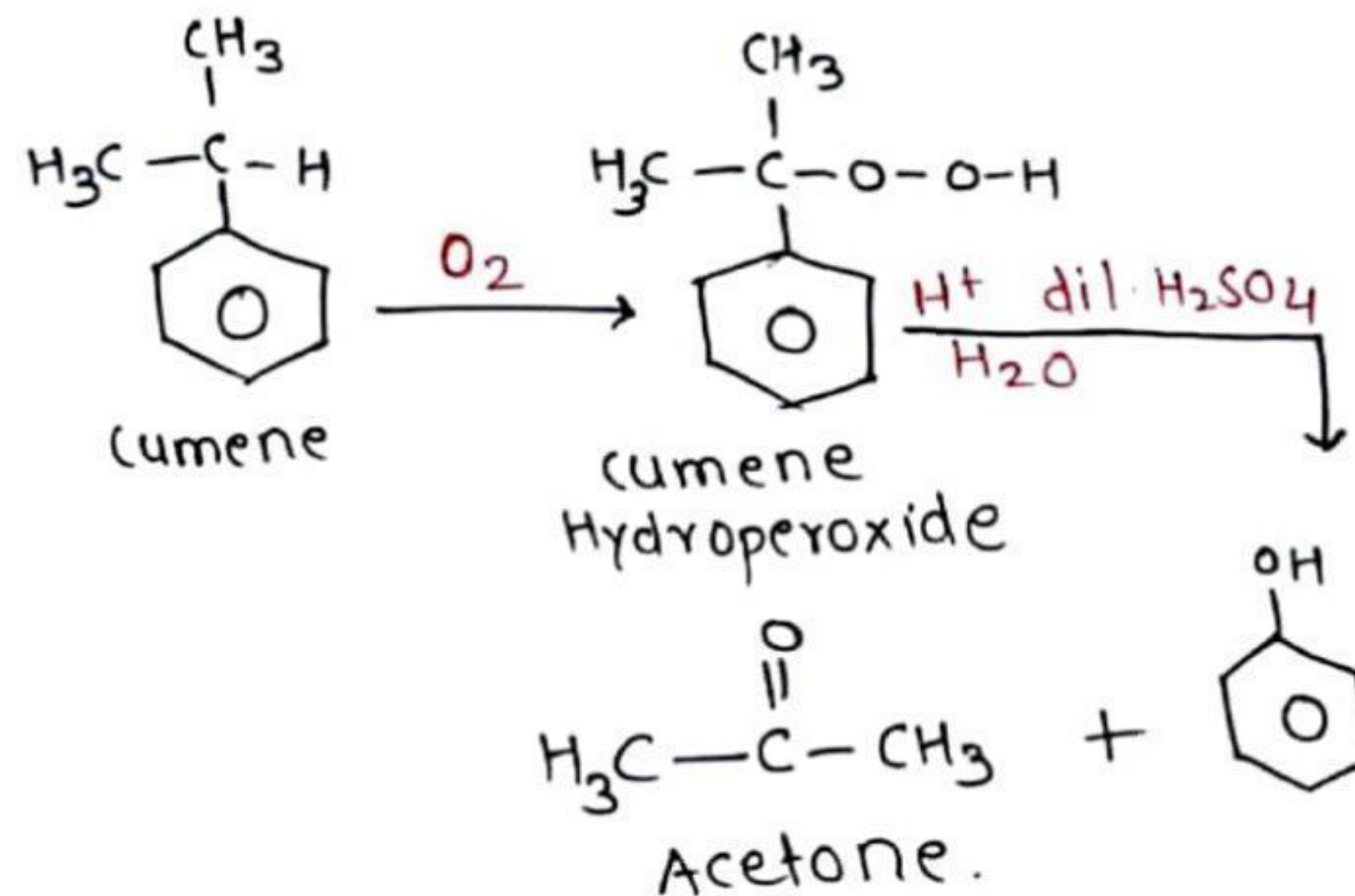
[DEPTH OF BIOLOGY]

③ From Diazonium salts:



[DEPTH OF BIOLOGY]

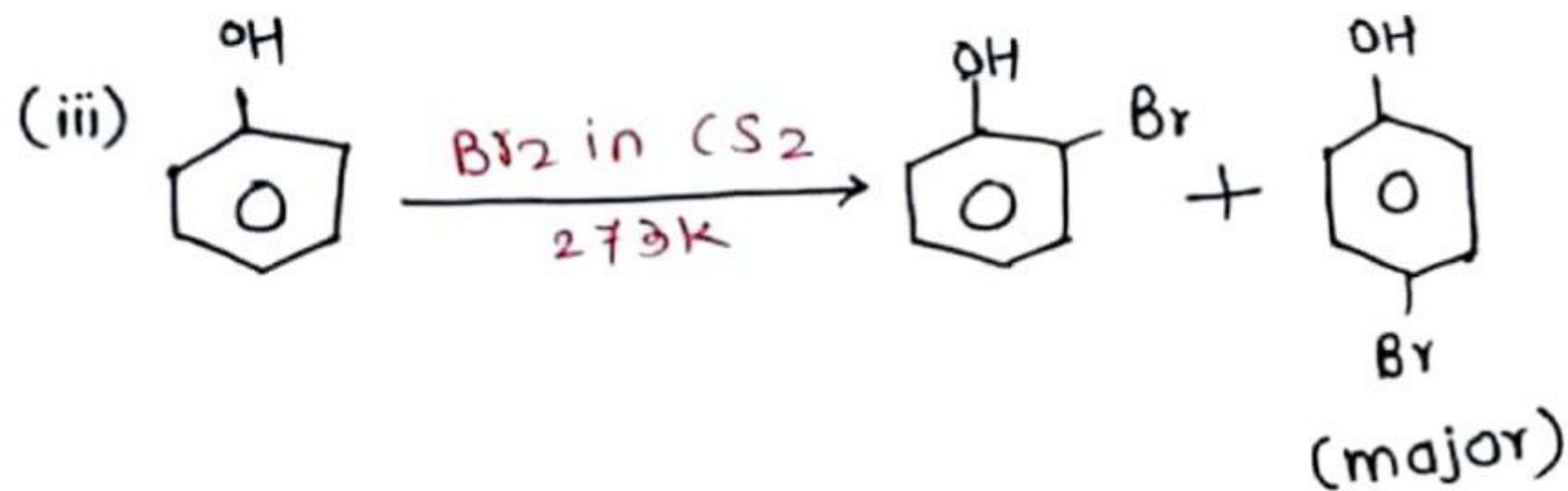
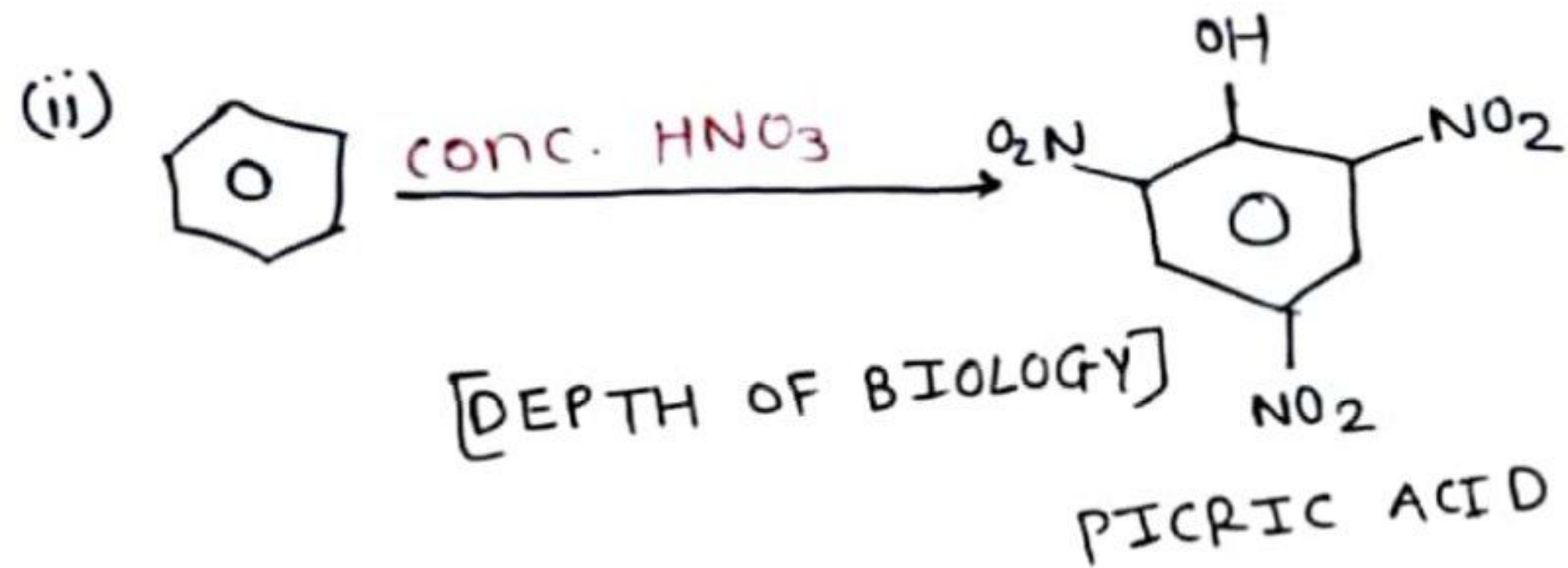
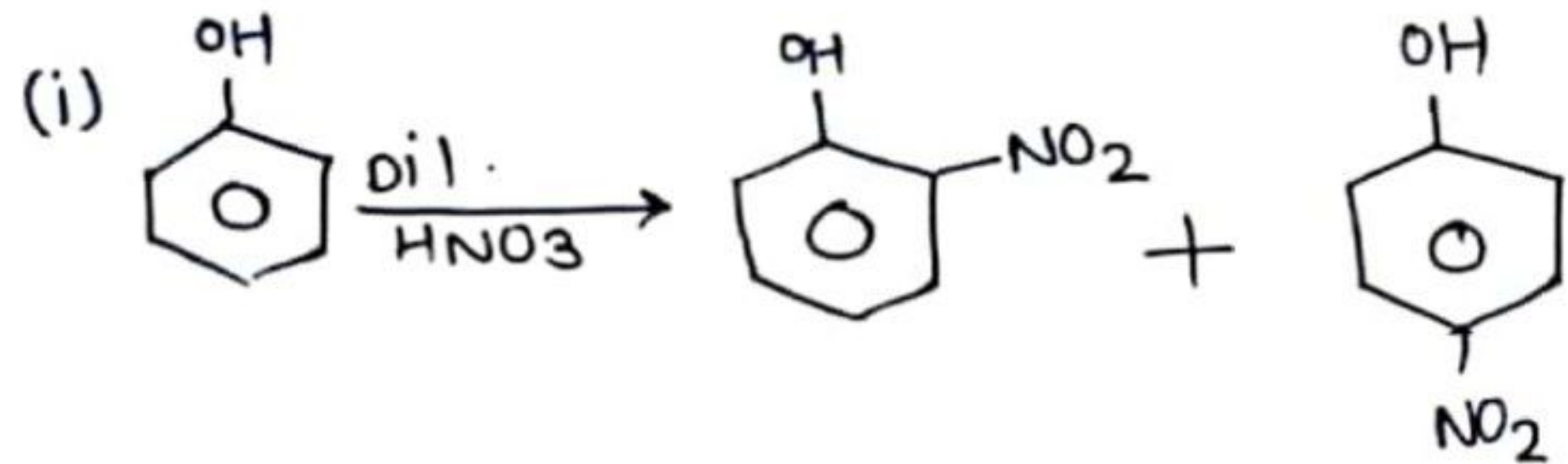
④ From cumene (Isopropyl Benzene)



[DEPTH OF BIOLOGY]

★ REACTIONS OF PHENOLS:

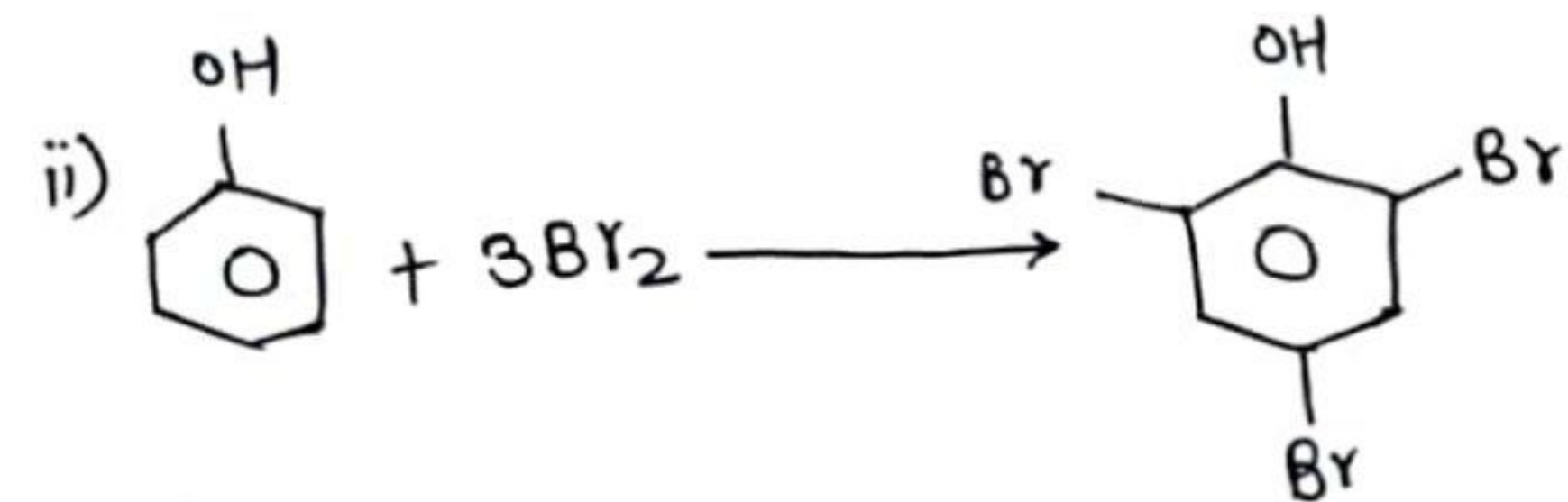
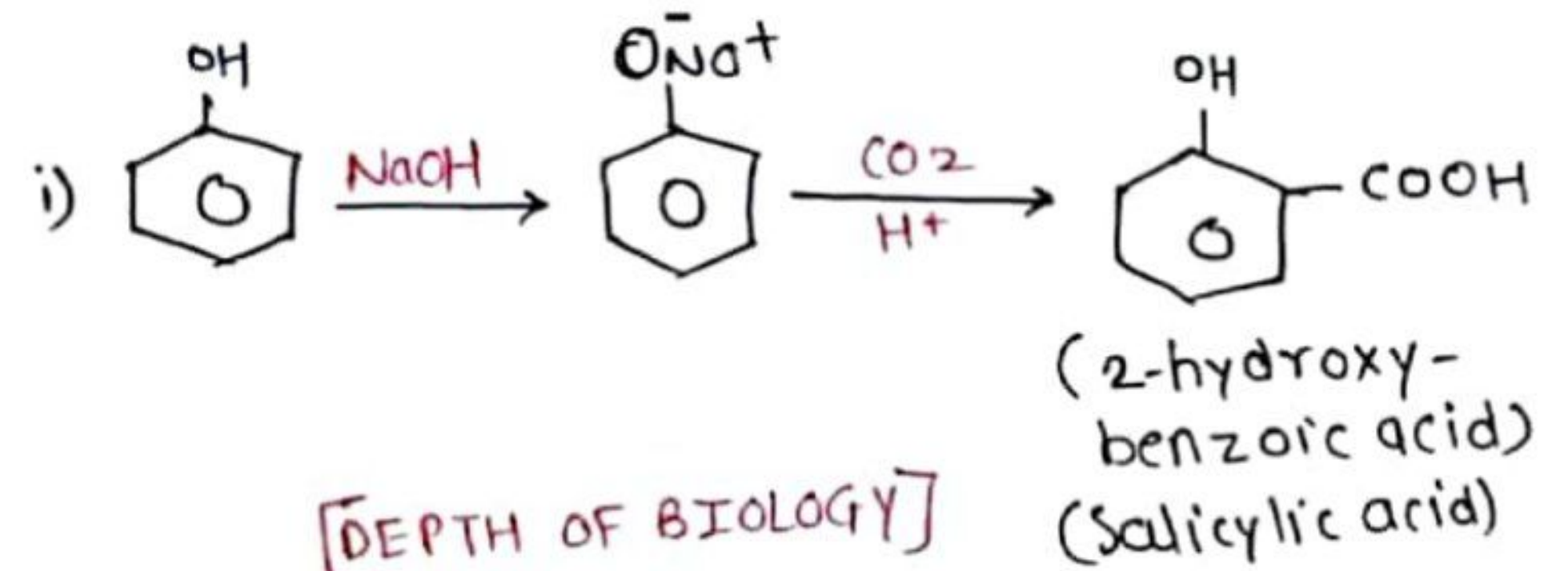
① Electrophillic Aromatic Substitution:



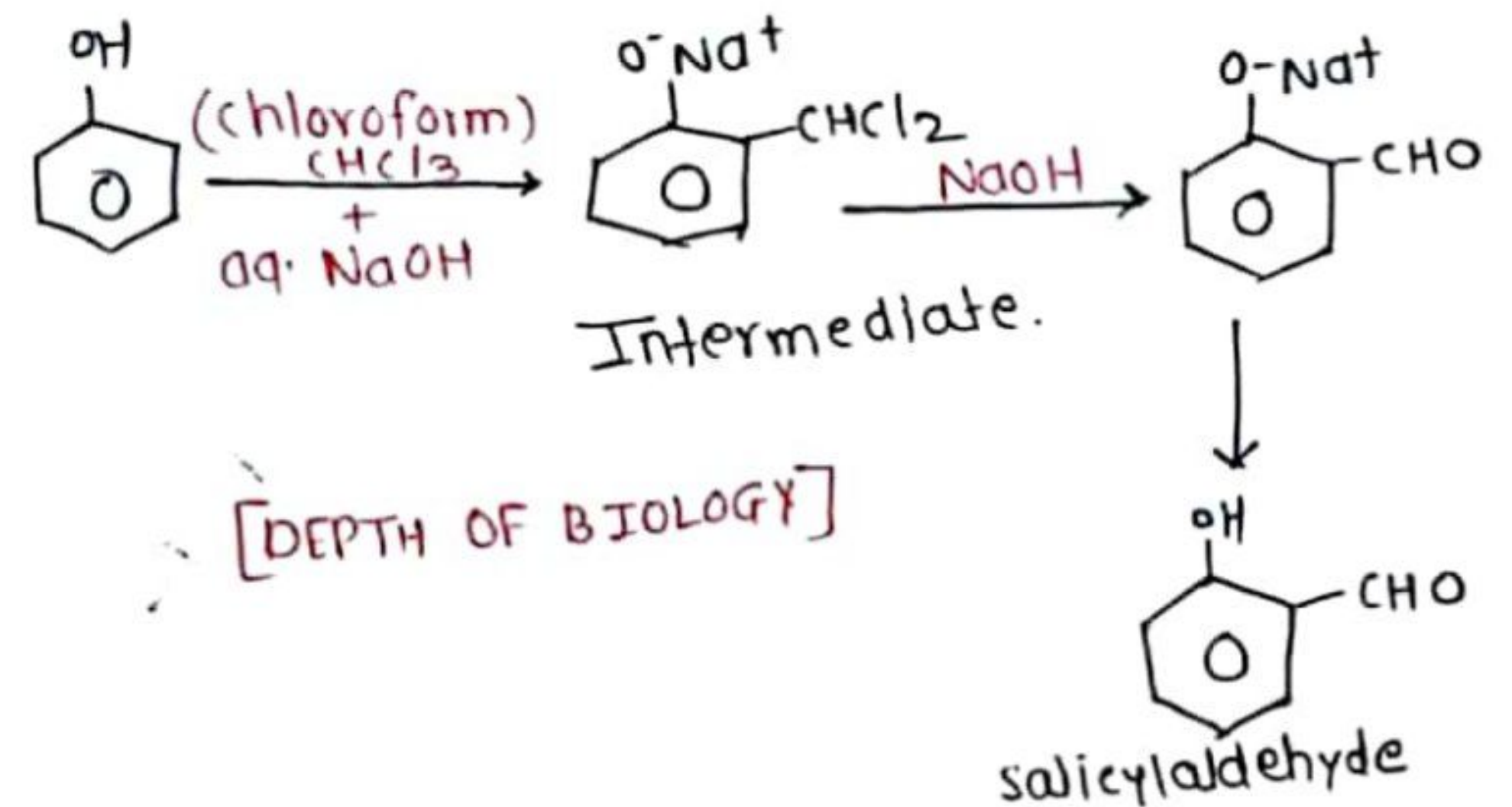
[DEPTH OF BIOLOGY]

[DEPTH OF BIOLOGY]

② Kolbe's Reaction:

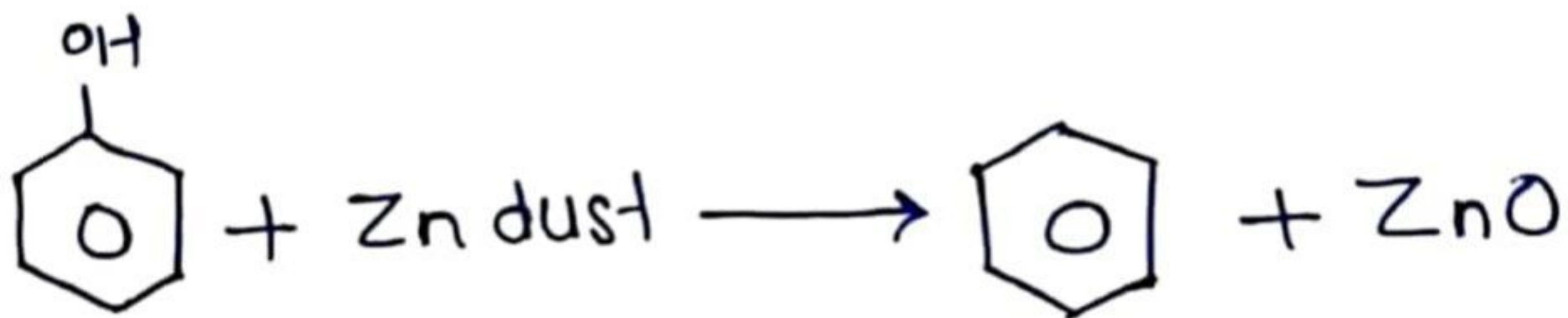


③ Reimer Tiemann Reaction:

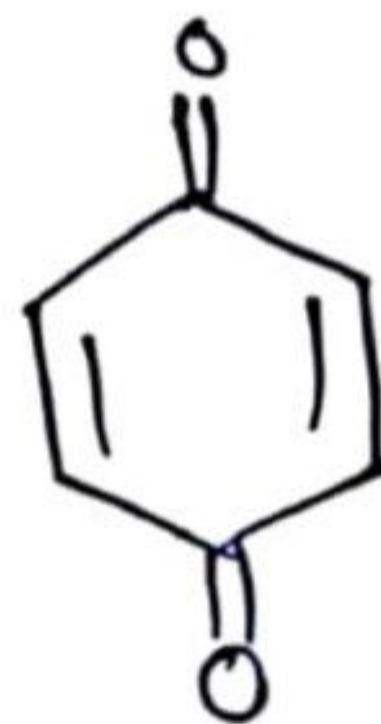
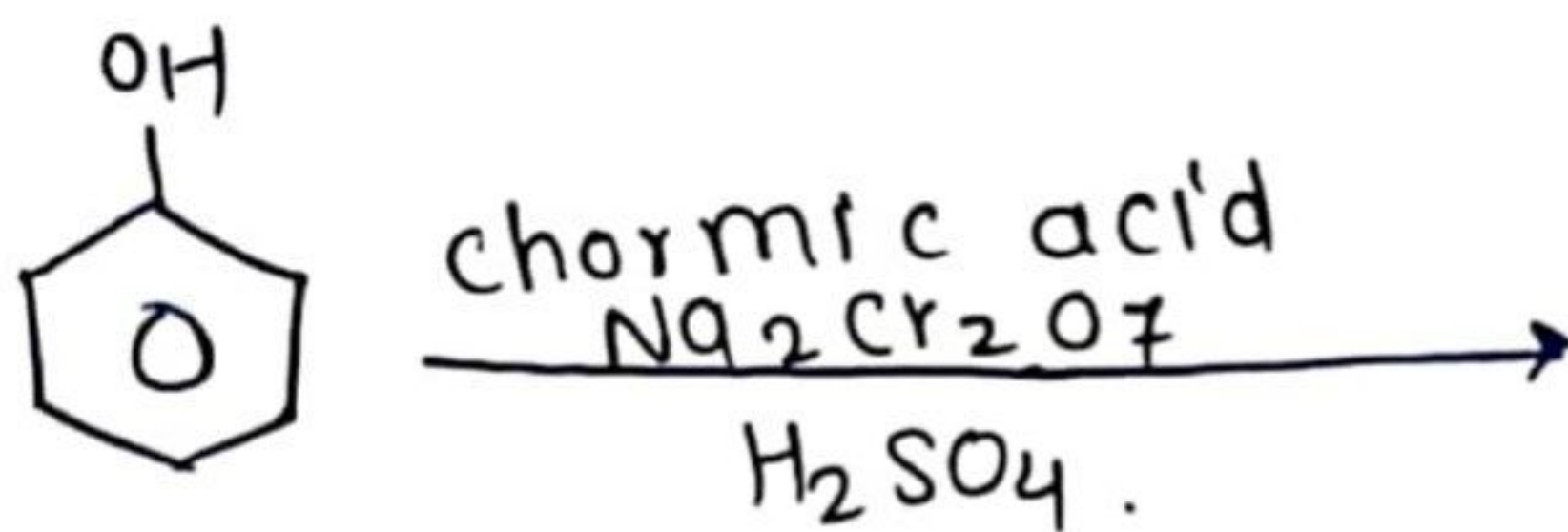


[DEPTH OF BIOLOGY]

④ Reaction of phenol with Zn dust:



⑤ Formation of Benzoquinone:



Benzoquinone

[DEPTH OF BIOLOGY]