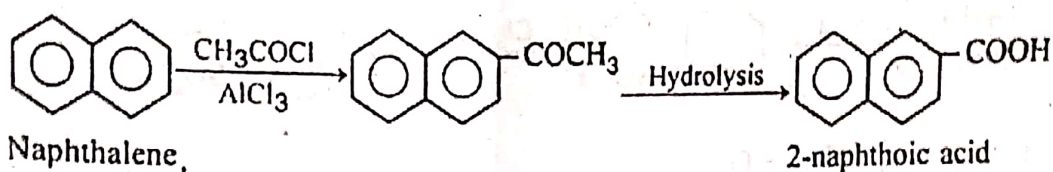
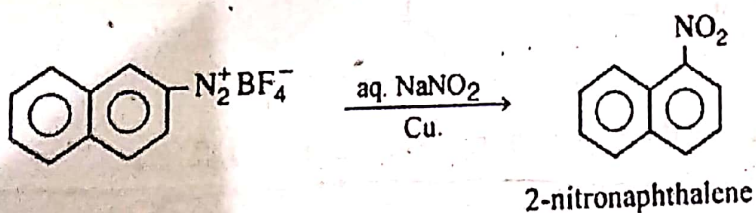
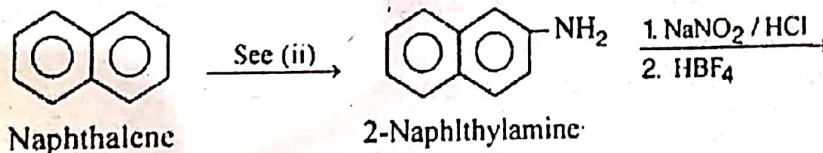


It can also be prepared as—

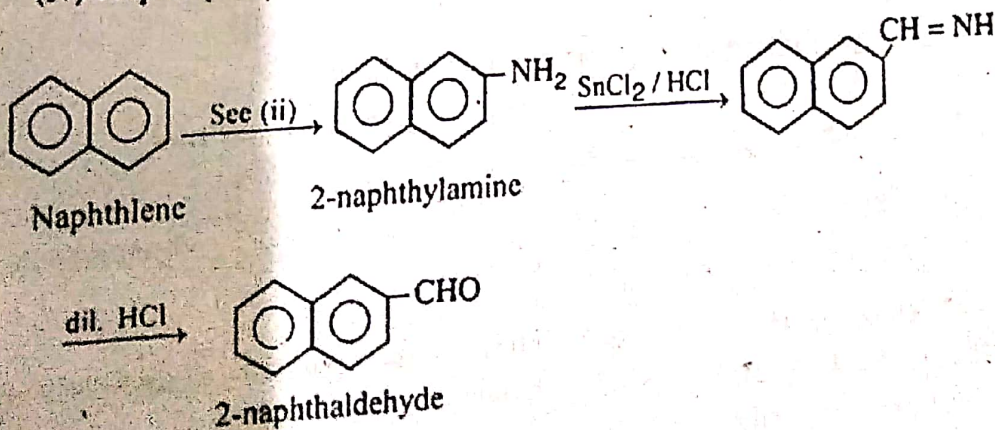


[Note : The direct hydrolysis of diazo salt gives 2-naphthol. Halides and other products can be prepared by this diazo salt.]

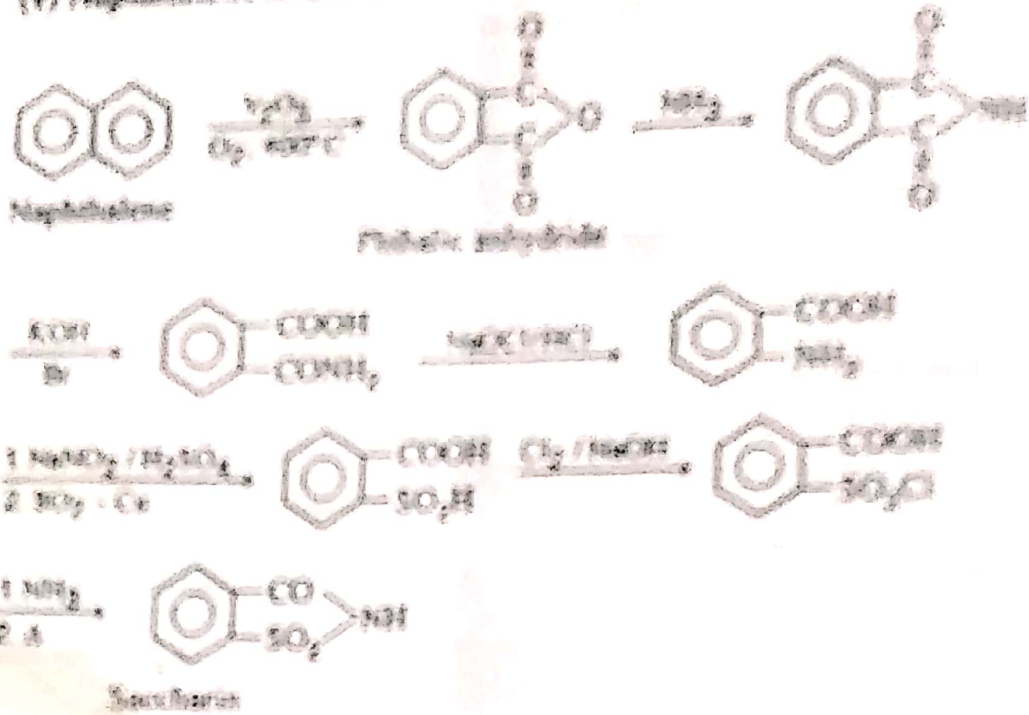
(iii) *Naphthalene to 2-nitronaphthalene*



(iv) *Naphthalene to 2-naphthaldehyde*



(v) Naphthalene to Saccharin



Q.46. "Naphthalene is more than benzene"—Comment.

Ans. Consider the number of resonating structures, greater is the resonance energy and hence greater is the stability.

Benzene has only two resonating structures I & II—



Naphthalene has three resonating structures I, II & III—



Hence naphthalene is more stable than benzene.

- Major:
 1. Benzene
 2. Naphthalene
 3. Anthracene

Resonance energy in kJ mol⁻¹

150.6

251.2

351.1

Decreases

Q.47. Describe the evidences which led to the structure of anthracene. Or, Illustrate the structure of anthracene.

Ans. Structure of Anthracene: