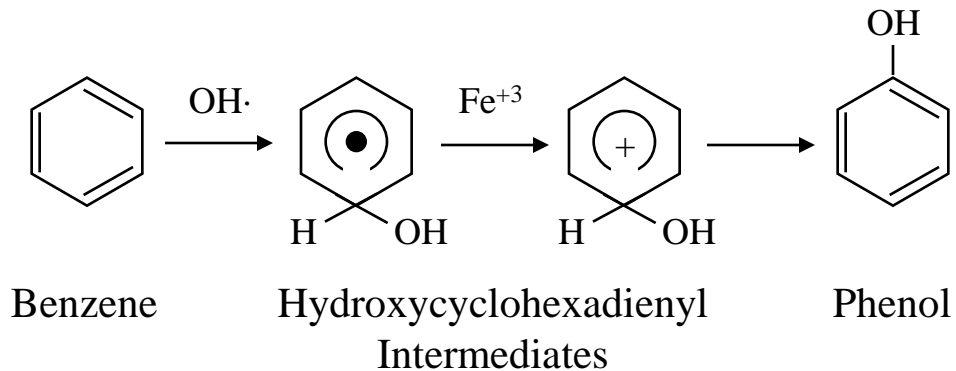
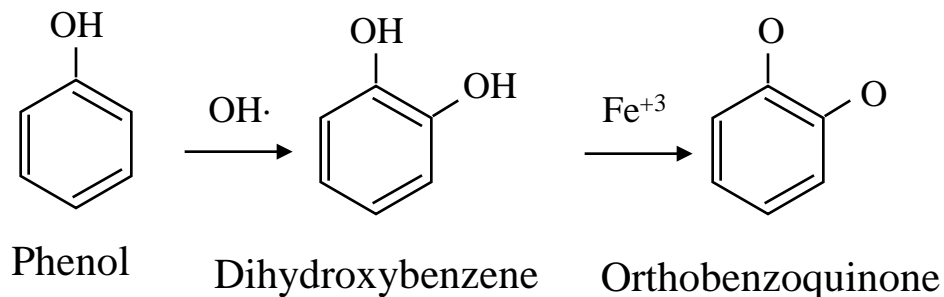


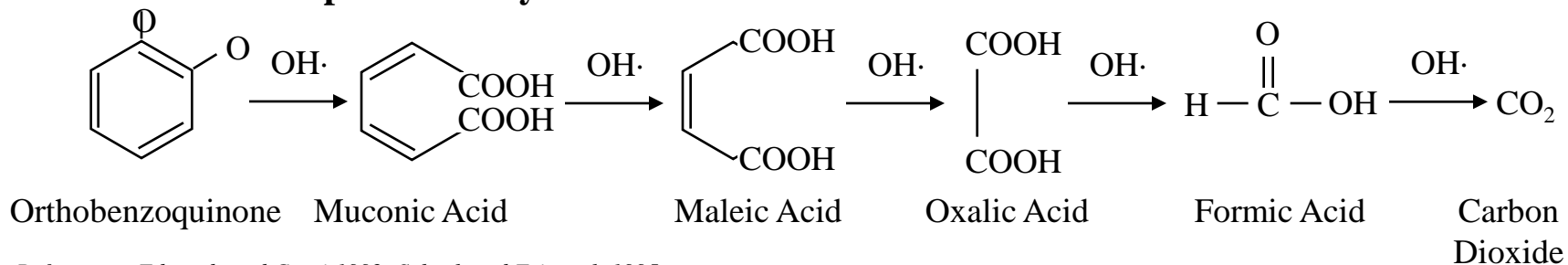
**Step 1.
Benzene
Hydroxylation
to Phenol**



**Step 2.
Phenol
Oxidation to
Benzoquinone**



Step 3. Carboxylic Acid Formation and Oxidation to Carbon Dioxide



References: Edwards and Curci 1992; Scheck and Frimmel, 1995

Benzene Oxidation Pathway

