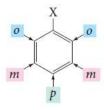
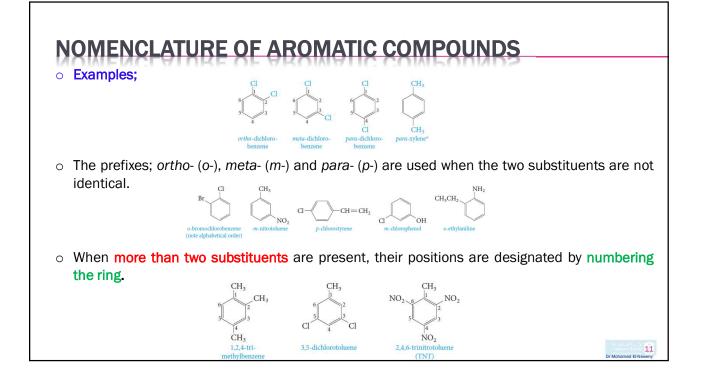


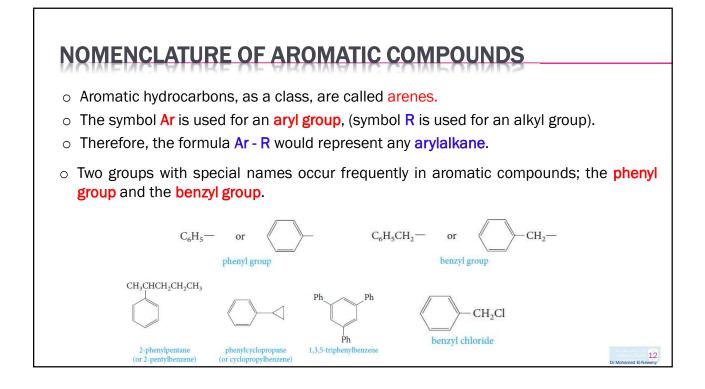
NOMENCLATURE OF AROMATIC COMPOUNDS

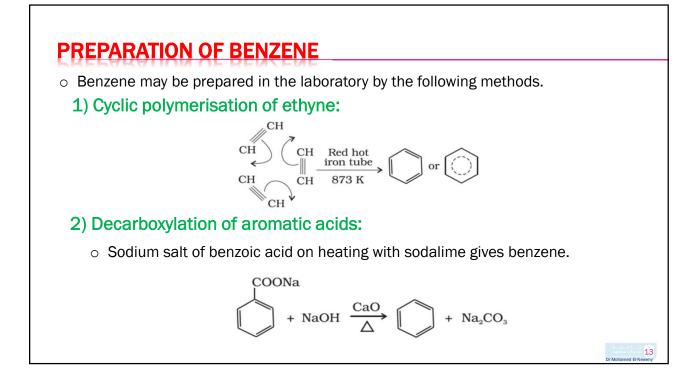
- When two substituents are present, three isomeric structures are possible.
- They are designated by the prefixes; ortho- (o-), meta- (m-) and para- (p-).
- If substituent X is attached to carbon 1; 0- groups are on carbons 2 and 6, *m* groups are on carbons 3 and 5, and *p* groups are on carbon 4.

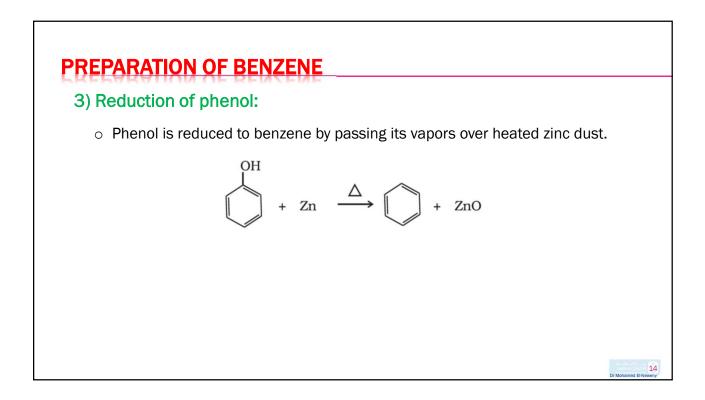


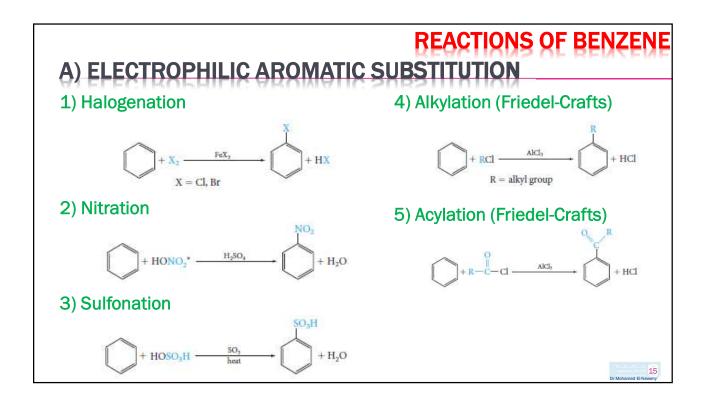
10

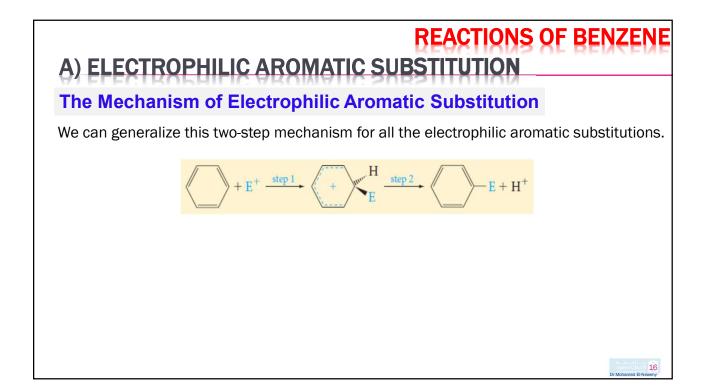


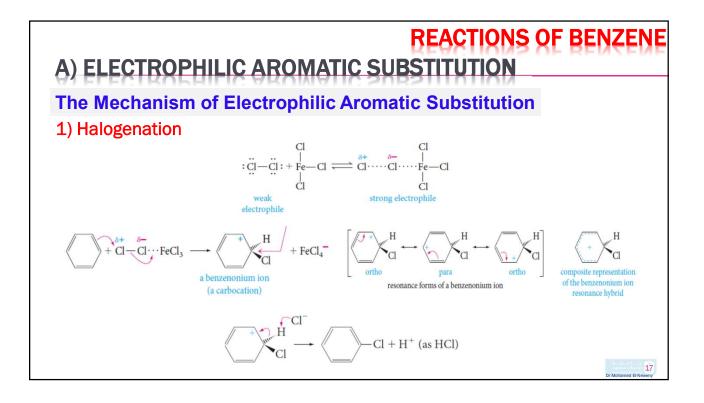


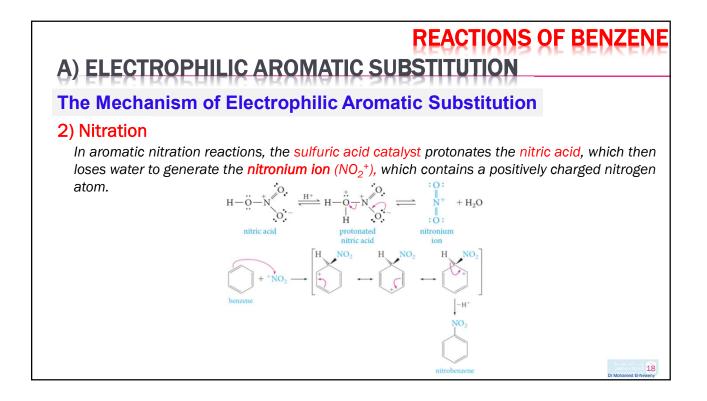


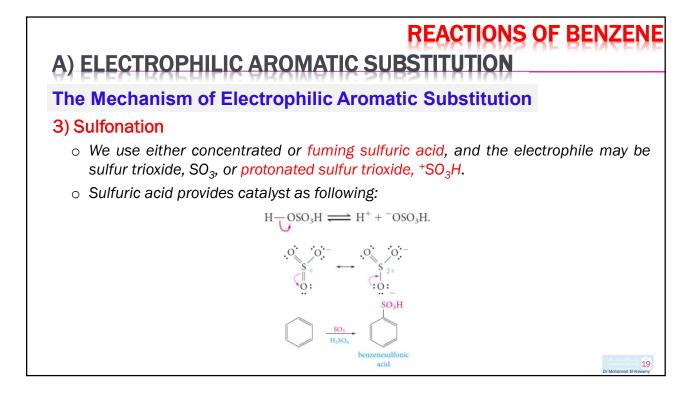


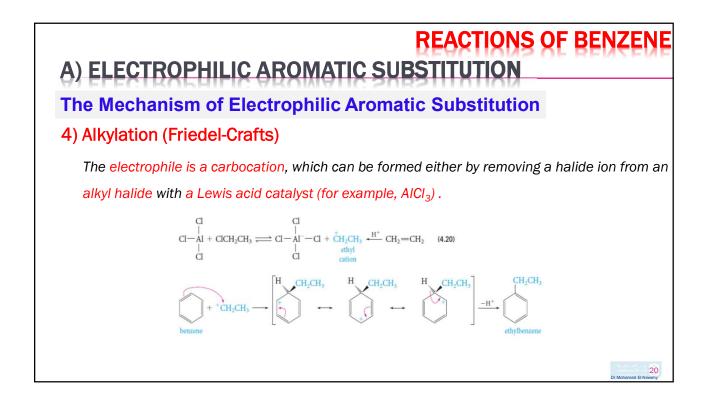


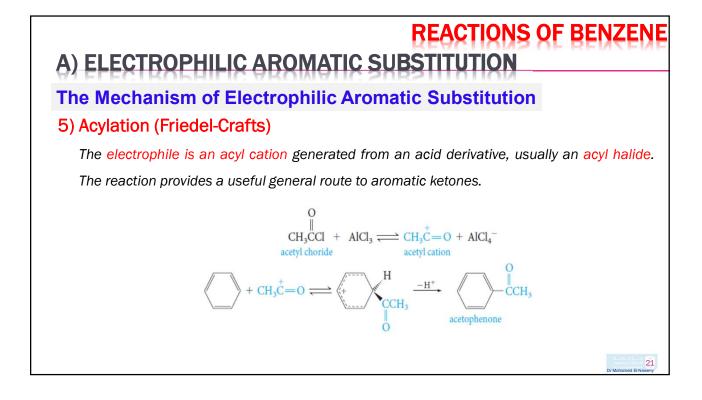


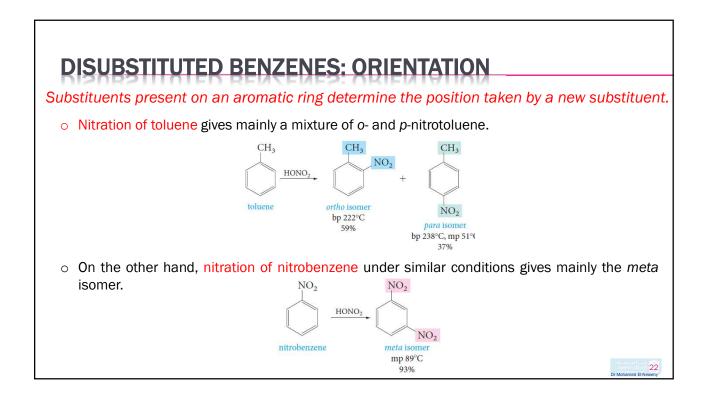


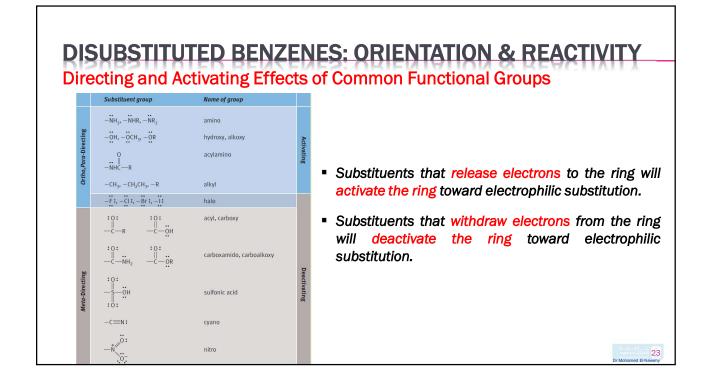


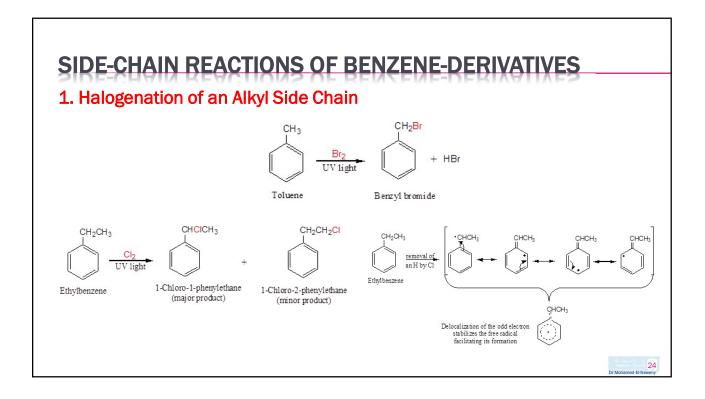












SIDE-CHAIN REACTIONS OF BENZENE-DERIVATIVES

2. Oxidation of an Alkyl Side Chain

- Conversion into a carboxyl group, -COOH, by treatment with hot potassium permanganate.
- Regardless the length of the alkyl chain, the product is always the same.

