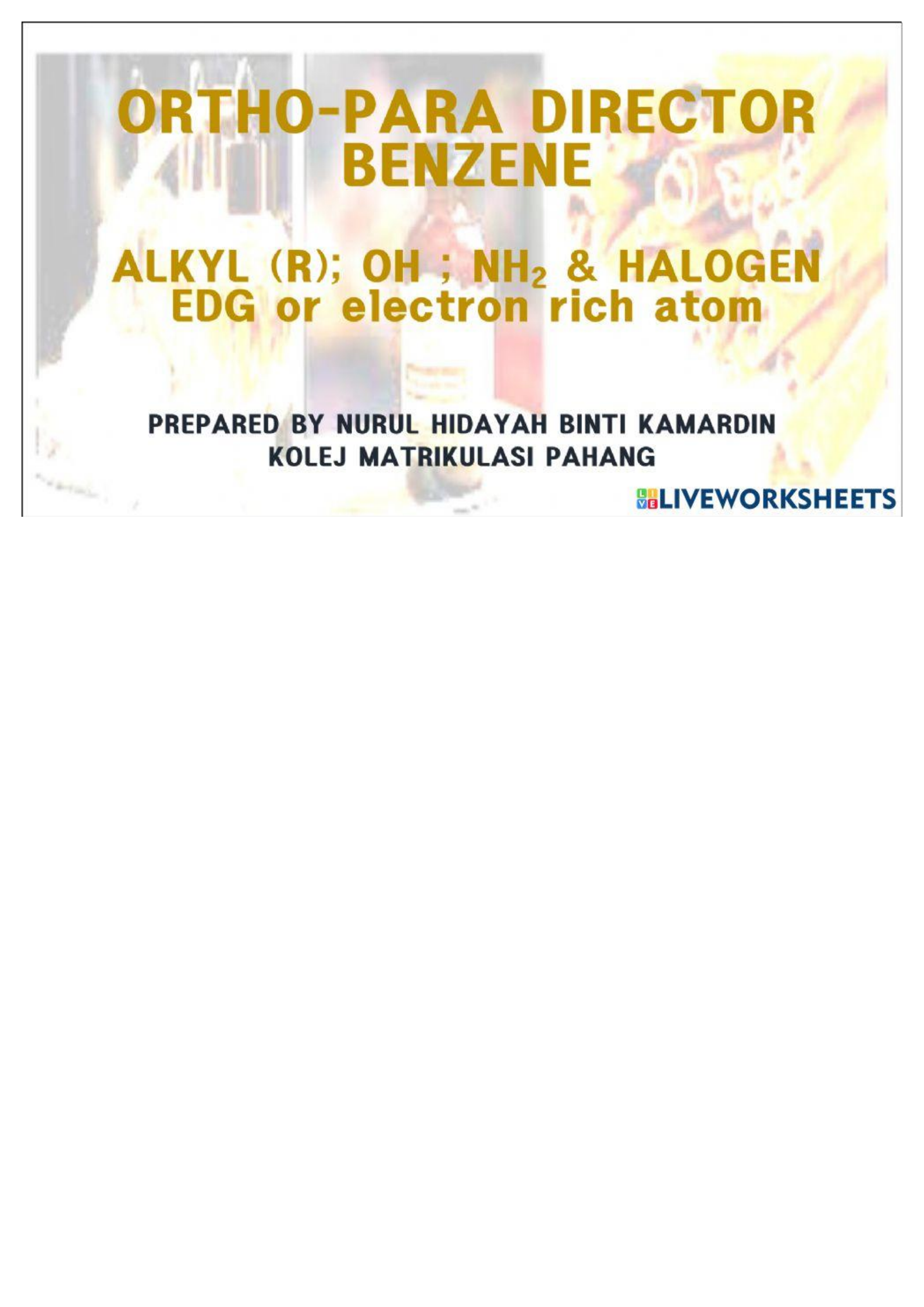


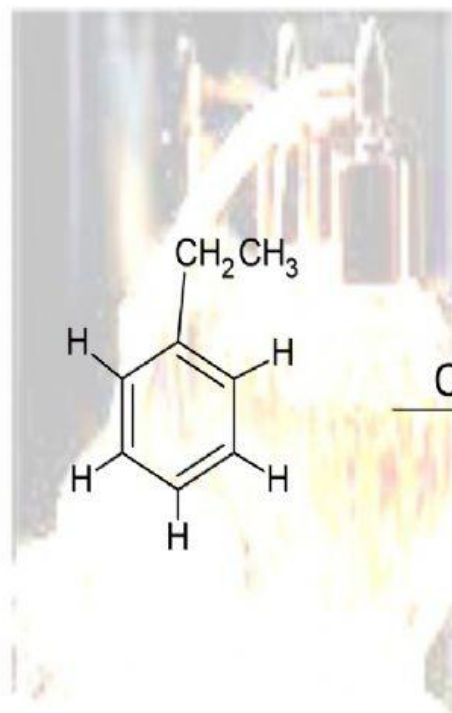


ORTHO-PARA DIRECTOR BENZENE

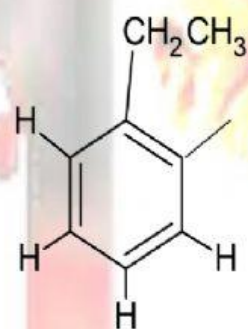
**ALKYL (R); OH ; NH₂ & HALOGEN
EDG or electron rich atom**

**PREPARED BY NURUL HIDAYAH BINTI KAMARDIN
KOLEJ MATRIKULASI PAHANG**

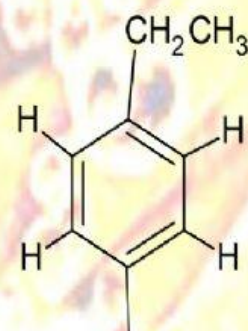
 **LIVEWORKSHEETS**

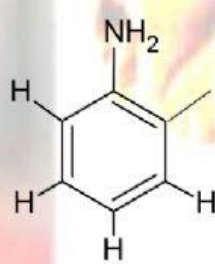
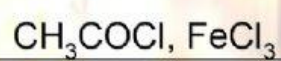
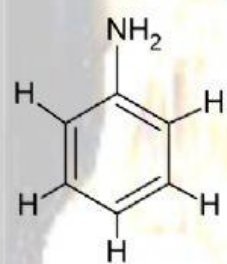


$\xrightarrow{\text{Cl}_2, \text{FeCl}_3}$

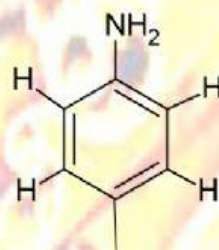


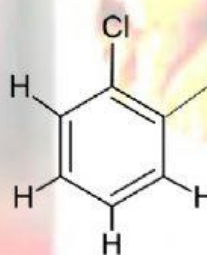
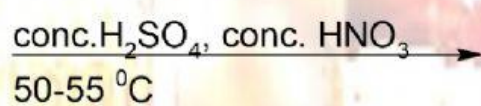
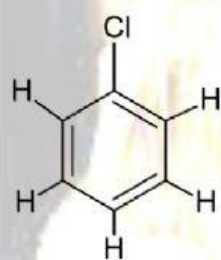
+



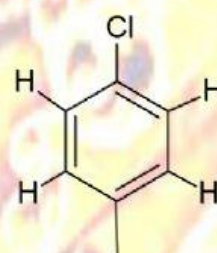


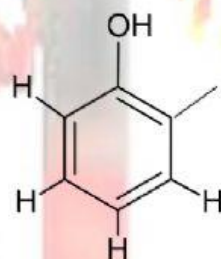
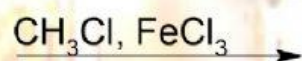
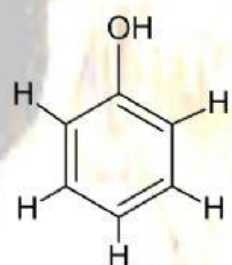
+





+





+

