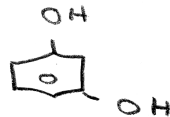
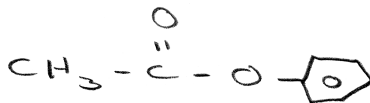
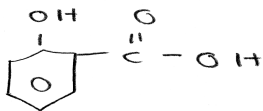


## Chapter 24: Phenols Worksheet

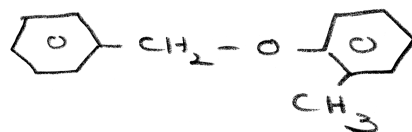
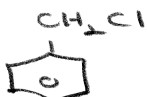
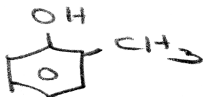
### NOMENCLATURE

- Do assigned homework, refer to your text, and study the lecture notes.
- Draw these structures: salicylic acid, phenyl acetate, and resorcinol.

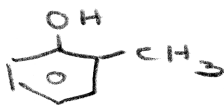


### REACTIONS

- o*-cresol + benzyl chloride, NaOH  $\rightarrow$



- o*-cresol + sodium acetate  $\rightarrow$

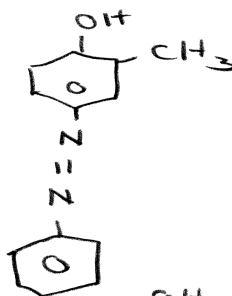


N. R.

- phenol + CO<sub>2</sub> + NaOH  $\xrightarrow{125^\circ, 5 \text{ atm.}}$



- o*-cresol + Ph-N<sub>2</sub><sup>+</sup>, Cl<sup>-</sup>  $\rightarrow$



- phenol + phthalic anhydride  $\xrightarrow{\text{AlCl}_3}$

