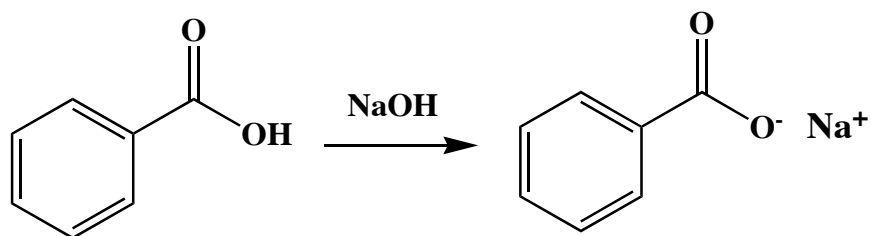


- CHEMICALLY MODIFY ONE COMPOUND TO CHANGE ITS SOLUBILITY.

- A CARBOXYLIC ACID REACTS WITH A BASE (e.g., NaOH or NaHCO₃) TO FORM A SODIUM SALT.



CARBOXYLIC ACID

- LESS POLAR
- WATER INSOLUBLE
- ETHER SOLUBLE

CARBOXYLIC ACID, SALT

- IONIC, POLAR
- WATER SOLUBLE
- ETHER INSOLUBLE

