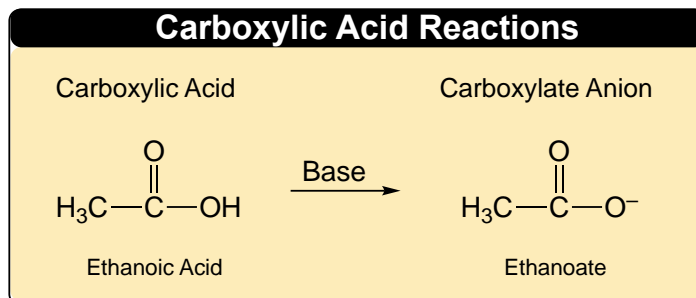


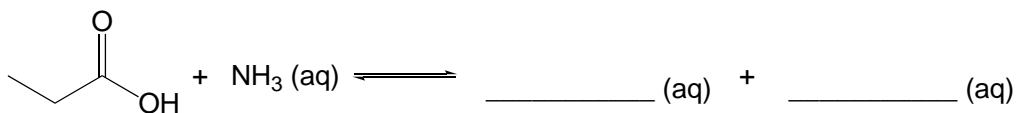
## CONCEPT: CARBOXYLIC ACID REACTIONS

### Acid-Base Reaction

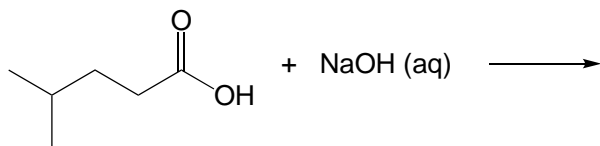
- Under this type of reaction a base reacts with a carboxylic acid ( \_\_\_\_\_ acid).



**EXAMPLE:** Predict the products formed from the following reaction between propanoic acid and ammonia.



**PRACTICE:** Name the carboxylate anion formed in the following reaction.



a) 2-methylpentanoate

b) 4-methylhexanoate

c) 4-methylpentanoate

d) 2-methylhexanoate