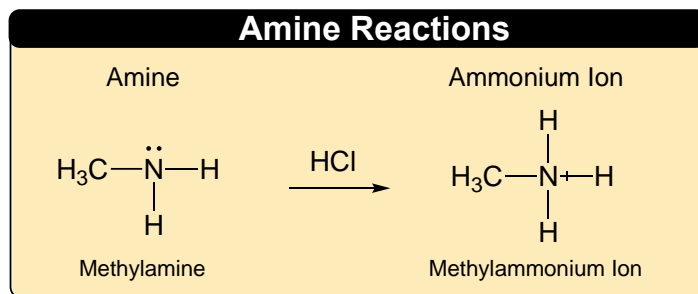


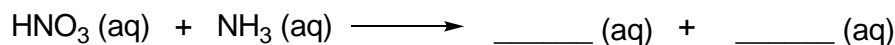
## CONCEPT: AMINE REACTIONS

### Acid-Base Reaction

- Under this type of reaction an acid reacts with an amine ( \_\_\_\_\_ base)
  - Recall, when a base accepts an  $H^+$ , it transforms into a conjugate \_\_\_\_\_.
  - \_\_\_\_\_ ion: the conjugate \_\_\_\_\_ form of an amine.
    - For the \_\_\_\_\_ ion modify the ending from \_\_\_\_\_ to \_\_\_\_\_.



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



**PRACTICE:** Determine the ammonium ion formed in the following reaction between diethylamine and hydrobromic acid.

