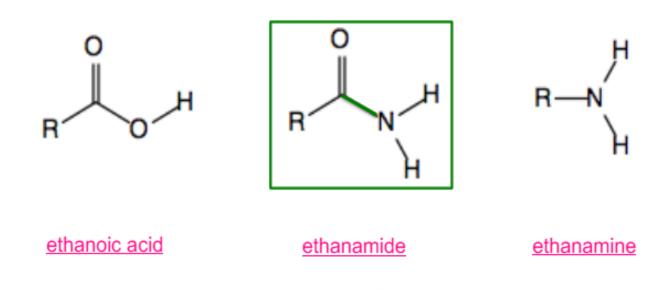
Amides

In <u>amides</u>, an amino group (–NH₂) replaces the –OH group of carboxylic acids.



- Amides are (mainly) solids at room temperature and have very high boiling points.
- Simple amides are soluble in water.

Name the following compounds.

 Primary and secondary amines react with acid chlorides to produce amides.

Primary and secondary amines react with acid anhydrides to produce amides.

In strong acid: carboxylic acid + alkylammonium ion

In strong base: carboxylic acid salt + amine