

Amines

Pre-lesson assignment – Textbook pg 474-476

Revise the following key words in context

- Primary
- Secondary
- Tertiary
- Aliphatic
- Aromatic
- Dative covalent bond

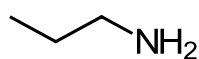
Make notes on amines

Use the following questions to structure your notes.

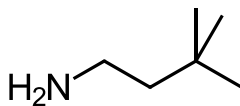
1. Draw the following amines and classify them as primary, secondary or tertiary.
 - a. Butylamine
 - b. Phenylamine
 - c. 2-methylphenylamine
 - d. 2-methylpropylamine
 - e. N-methylpropylamine

2. Name the following amines and classify them as primary, secondary or tertiary.

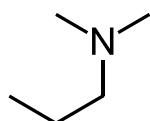
a.



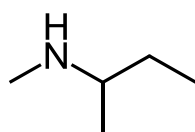
b.



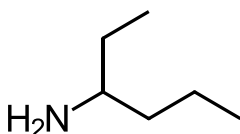
c.



d.



e.



3. Predict the reaction of each amine with hydrochloric acid. Write a balanced equation and name the product.
 - a. Phenylamine
 - b. N-methylpropylamine
 - c. N,N,3-trimethylpentylamine