

## **CONCEPT: BRONSTED-LOWRY ACIDS AND BASES**

In 1923, Johannes Brønsted and Thomas Lowry developed a new set of definitions for acids and bases.

According to the Bronsted-Lowry definition, acids are considered \_\_\_\_\_ and bases are considered \_\_\_\_\_.

- Unlike Arrhenius acids and bases, they are not limited to aqueous solutions.
- Every Arrhenius acid is a Brønsted-Lowry acid (and likewise for the bases).
- Brønsted-Lowry acids and bases always occur in pairs called \_\_\_\_\_.

**EXAMPLE 1:** Write the formula of the **conjugate base** for each of the following compounds:



**EXAMPLE 2:** Write the formula of the **conjugate acid** for each of the following compounds:



**EXAMPLE 3:** Identify the acid, base, conjugate acid and conjugate base in the following reactions:

