

# **Neutralization Reactions**

### HCI + NaOH →NaCI + HOH

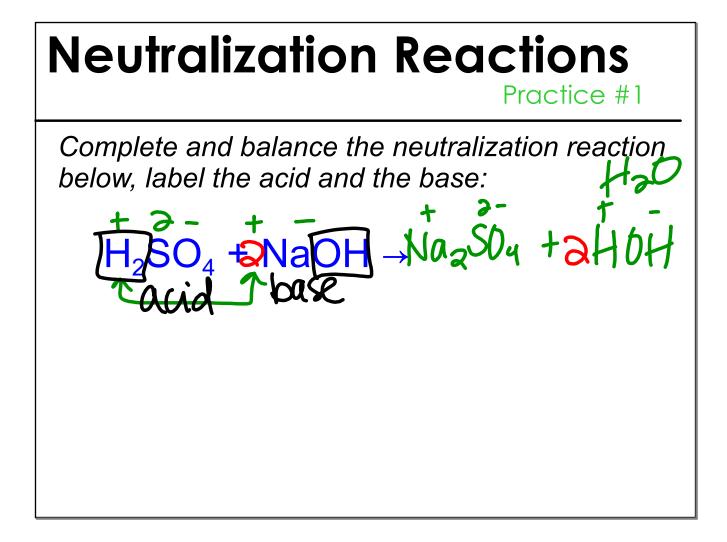
- Acids and bases are opposite each other
  acids donate H<sup>+</sup>, bases accept H<sup>+</sup>
- When they combine they NEUTRALIZE each other -- neither acidic nor basic anymore

## **Neutralization Reactions**

Practice #1

Complete and balance the neutralization reaction below, label the acid and the base:

 $H_2SO_4 + NaOH \rightarrow$ 



#### Neutralization Reactions Practice #2

Complete and balance the neutralization reaction below, label the acid and the base:

HCI+ Ca(OH)<sub>2</sub>  $\rightarrow$ 

#### Neutralization Reactions Practice #2

Complete and balance the neutralization reaction below, label the acid and the base:

ZHCI+ Ca(OH)2 → CaCI2+ ZHOH

#### Neutralization Reactions Practice #3

Complete and balance the neutralization reaction below, label the acid and the base:

 $H_2SO_3 + NH_4OH \rightarrow$ 

#### Neutralization Reactions Practice #3

Complete and balance the neutralization reaction below, label the acid and the base:

 $H_2SO_3 + 2NH_4OH \rightarrow 2H_2O + (NH_4)_2SO_3$