

# Acids, Bases, and Salts Review

- ① An Arrhenius acid is defined as any compound dissociating in an aqueous solution to form \_\_\_\_\_ ions. Example:  $\text{HNO}_3(\text{aq.}) \rightarrow \text{H}^+(\text{aq.}) + \text{NO}_3^-(\text{aq.})$ . Complete the following equation:



- ② An Arrhenius base is defined as any compound dissociating in an aqueous solution to form \_\_\_\_\_ ions. Example:  $\text{KOH}(\text{aq.}) \rightarrow \text{K}^+(\text{aq.}) + \text{OH}^-(\text{aq.})$ . Complete the following equation:



- ③ Salts are compounds that dissociate in an aqueous solution releasing neither \_\_\_\_\_ nor \_\_\_\_\_ ions. Example:  $\text{KCl}(\text{aq.}) \rightarrow \text{K}^+(\text{aq.}) + \text{Cl}^-(\text{aq.})$ . Complete the following equation:



- ④ A solution that has strong conductivity and reacts with the metal to make hydrogen gas is a

☐ a Strong Base      ☐ b Weak Base      ☐ c Strong Acid      ☐ d Weak Acid

Answers \_\_\_\_

- ⑤ Which of the following is slippery to touch?

☐ a Strong Acid      ☐ b Strong Base      ☐ c Strong Electrolyte      ☐ d Water

Answers \_\_\_\_

- ⑥ The hydronium ion is

☐ a  $\text{H}_3\text{O}^+$       ☐ b  $\text{H}_2\text{O}$       ☐ c  $\text{OH}^-$       ☐ d  $\text{H}_2$

Answers \_\_\_\_

- ⑦ A substance that changes color in an acidic or basic solution is called

☐ a Neutralizer      ☐ b Inhibitor      ☐ c pH indicator      ☐ d Catalyst

Answers \_\_\_\_

- ⑧ Name the following acids and bases

HF \_\_\_\_\_

$\text{HNO}_3$  \_\_\_\_\_

KOH \_\_\_\_\_

$\text{Mg}(\text{OH})_2$  \_\_\_\_\_

# Answers Sheet For Acids Bases And Salts

**Alyssa Fox-Charles**



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