Name	Class	Date
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What is neutralization?

Lesson Review

Complete the following.

1. When hydrochloric acid and sodium hydroxide are mixed together, they form _____

_____ and water.

2. A neutralization reaction always forms water and a _______.

3. The reaction between an acid and a base forms a ______ substance.

4. When blue litmus paper is put in a solution of table salt and water the color of the paper

5. A substance produced when an acid reacts with a base is a ______

6. When acids and bases are mixed, a ______ reaction occurs.

7. When red litmus paper is put in a solution of table salt and water, the color of the paper ______.

8. Salt water is a _____ substance.

9. A salt includes the ______ ion from an acid.

10. Sodium chloride is commonly known as _____

Skill Challenge

Skills: synthesizing, relating

Match each of the following products with the acids and bases that react to form them in a neutralization reaction.

	Acids and Bases		Products
 1.	HCl + KOH	a.	$MgCl_2 + 2H_2O$
 2.	$Mg(OH)_2 + 2HCl$	b.	NaCl + H ₂ O
 3.	$HNO_3 + NH_4OH$	c.	KCl + H ₂ O
 4.	HCl + NaOH	d.	$NH_4NO_3 + H_2O$