

Use with textbook pages 234–239.

Salts

Match the Term on the left with the best Chemical Formula on the right. Each Chemical Formula may be used only once.

Term	Chemical Formula
1. _____ water	A. H ₂ O
2. _____ a salt	B. NO ₂
3. _____ a base	C. MgCl
4. _____ an acid	D. Na ₂ O
5. _____ a metal oxide	E. H ₂ CO ₃
6. _____ a non-metal oxide	F. NH ₄ OH

7. Which of the following metals is most reactive?

- A.** copper
- B.** sodium
- C.** francium
- D.** magnesium

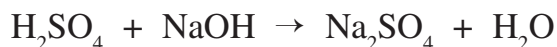
8. When non-metal oxides dissolve in water, the solution becomes

- A.** basic
- B.** acidic
- C.** neutral

9. Carbon dioxide forms which of the following in water?

- A.** CO
- B.** CO₃²⁻
- C.** HCO₃⁻
- D.** H₂CO₃

10. What coefficient is needed for sodium hydroxide in order to balance the following equation?



- A.** 1 **C.** 3
- B.** 2 **D.** 4

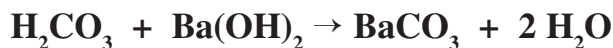
11. Hydrochloric acid can be used to neutralize potassium hydroxide. What is the formula for the salt produced by this neutralization?

- A.** H₂O
- B.** KCl
- C.** KClO₂
- D.** KClO₃

12. Which reactants form the salt FePO₄ in a neutralization reaction?

- A.** PO₄ and Fe₂O₃
- B.** H₃P and Fe(OH)₃
- C.** H₂O and Fe(OH)₃
- D.** H₃PO₄ and Fe(OH)₃

Use the following acid-base neutralization reaction to answer question 13.



13. Which of the following statements is true?

I.	H ₂ CO ₃ is an acid.
II.	BaCO ₃ is a base.
III.	The products of this reaction are a salt and water.

- A.** I and II only
- B.** I and III only
- C.** II and III only
- D.** I, II, and III