

## Modern Chemistry • CHAPTER 7

**HOMEWORK 7-2****VOCABULARY**

Match the symbol with the name that describes it.

- |                          |              |                           |             |
|--------------------------|--------------|---------------------------|-------------|
| 1. $\text{Br}^-$ _____   | a. nitrate   | 5. $\text{O}^{2-}$ _____  | e. nitrite  |
| 2. $\text{OH}^-$ _____   | b. chlorite  | 6. $\text{CN}^-$ _____    | f. ammonium |
| 3. $\text{NO}_2^-$ _____ | c. hydroxide | 7. $\text{ClO}_2^-$ _____ | g. oxide    |
| 4. $\text{NO}_3^-$ _____ | d. bromide   | 8. $\text{NH}_4^+$ _____  | h. cyanide  |

**GRAPHIC ORGANIZER**

Complete the chart by supplying the missing information.

Name of Compound or Ion	Formula of Compound
Copper(II) ion	
	$\text{NH}_4^+$
Bismuth(III) bromide	
Tin (II) fluoride	
	$\text{MgF}_2$
Iron(III) cyanide	
	$\text{S}^{2-}$
Potassium permanganate	

**STANDARDIZED TEST PREP**

Circle the letter of the best answer.

- Which is the correct formula for a compound made of  $\text{Sn}^{2+}$  and  $\text{NO}_3^-$ ?
  - $\text{Sn}_2\text{NO}_3$
  - $\text{Sn}(\text{NO}_3)_2$
  - $\text{Sn}_3\text{NO}_2$
  - $2\text{Sn}_3\text{NO}$
- Which is the correct formula for silver chloride?
  - $\text{Ag}^+\text{Cl}^-$
  - $2\text{Ag}_2\text{Cl}$
  - $\text{AgClO}$
  - $\text{AgCl}$