

**MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.**

- 1) Which of these compounds is most likely to be ionic? 1) \_\_\_\_\_  
A) CS<sub>2</sub>                      B) CCl<sub>4</sub>                      C) ICl                      D) KF                      E) CO<sub>2</sub>
- 2) Write the Lewis dot symbol for the calcium ion. 2) \_\_\_\_\_  
A)  $\cdot\text{Ca}^+$                       B)  $\cdot\text{Ca}^+$                       C)  $\cdot\text{Ca}^{2+}$                       D)  $\text{Ca}:$                       E)  $\text{Ca}^{2+}$
- 3) Which is the correct formula for copper(II) phosphate? 3) \_\_\_\_\_  
A) Cu<sub>2</sub>PO<sub>3</sub>  
B) Cu<sub>2</sub>PO<sub>4</sub>  
C) Cu(PO<sub>3</sub>)<sub>2</sub>  
D) Cu<sub>3</sub>(PO<sub>4</sub>)<sub>2</sub>  
E) Cu(PO<sub>4</sub>)<sub>2</sub>
- 4) The chemical name for ClO<sub>3</sub><sup>-</sup> is "chlorate ion." What is the common name for HClO<sub>3</sub>? 4) \_\_\_\_\_  
A) chlorous acid  
B) hydrogen trioxychloride  
C) chloric acid  
D) chloroform  
E) hydrochloric acid
- 5) Determine the charge on the unknown ion, A, in the compound ACl<sub>2</sub>. 5) \_\_\_\_\_  
A) -1                      B) +1                      C) +2                      D) -2
- 6) What is the name of Ba(NO<sub>2</sub>)<sub>2</sub>·3H<sub>2</sub>O? 6) \_\_\_\_\_  
A) barium nitrite trihydrate  
B) barium(II) nitrite trihydrate  
C) barium nitrate trihydrate  
D) barium nitrite  
E) trihydrobarium(II) nitrite
- 7) Which of the following is the oxyanion of bromine called the bromate ion? 7) \_\_\_\_\_  
A) BrO<sub>3</sub><sup>-</sup>                      B) BrO<sup>-</sup>                      C) BrO<sub>3</sub><sup>2-</sup>                      D) BrO<sub>2</sub><sup>-</sup>                      E) BrO<sub>4</sub><sup>2-</sup>

## Answer Key

Testname: MINI-PRAC CH3

- 1) D
- 2) E
- 3) D
- 4) C
- 5) C
- 6) A
- 7) A