

Name: \_\_\_\_\_

Off: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_ Per: \_\_\_\_\_

Teacher: \_\_\_\_\_

Table F Regents Practice

Chemistry

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1. According to Table *F*, which ions combine with chloride ions to form an insoluble compound?

- A)  $\text{Fe}^{2+}$  ion                      B)  $\text{Ca}^{2+}$  ions  
C)  $\text{Li}^{+}$  ions                        D)  **$\text{Ag}^{+}$  ions**

2. Which compound is insoluble in water?

- A) calcium bromide    B) potassium bromide  
C) **silver bromide**        D) sodium bromide

3. Which barium salt is *insoluble* in water?

- A)  **$\text{BaCO}_3$**                       B)  $\text{BaCl}_2$   
C)  $\text{Ba}(\text{ClO}_4)_2$                 D)  $\text{Ba}(\text{NO}_3)_2$

4. Which compound is insoluble in water?

- A)  **$\text{BaSO}_4$**                       B)  $\text{CaCrO}_4$   
C)  $\text{KClO}_3$                         D)  $\text{Na}_2\text{S}$

5. Based on Reference Table *F*, which of these saturated solutions has the lowest concentration of dissolved ions?

- A)  $\text{NaCl}(\text{aq})$                     B)  $\text{MgCl}_2(\text{aq})$   
C)  $\text{NiCl}_2(\text{aq})$                     D)  **$\text{AgCl}(\text{aq})$**

6. According to Reference Table *F*, which of these compounds is most soluble at 298 K and 1 atm?

- A)  **$\text{AgNO}_3$**                       B)  $\text{AgCl}$   
C)  $\text{PbCrO}_4$                         D)  $\text{PbCO}_3$

7. According to Reference Table *F*, which substance is most soluble?

- A)  $\text{AgI}$                               B)  $\text{CaSO}_4$   
C)  $\text{PbCl}_2$                         D)  **$(\text{NH}_4)_2\text{CO}_3$**

8. Based on Reference Table *F*, which of the following compounds is *least* soluble in water?

- A)  $\text{NaCl}$                             B)  $\text{Pb}_2\text{ClO}_3$   
C)  $\text{Na}_2\text{CrO}_4$                     D)  **$\text{PbCrO}_4$**

9. Based on Reference Table *F*, which of the following saturated solutions would be the *least* concentrated?

- A) sodium sulfate                B) potassium sulfate  
C) copper (II) sulfate        D) **barium sulfate**

10. Which compound is most soluble in water?

- A) silver acetate                B) silver chloride  
C) **silver nitrate**                D) silver hydroxide
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**Answer Key**  
**Table F Practice**

1. **D**
  2. **C**
  3. **A**
  4. **A**
  5. **D**
  6. **A**
  7. **D**
  8. **D**
  9. **D**
  10. **C**
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