

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

Section: \_\_\_\_\_

### Report Form – The Seven Solution Problem

#### Known Solutions

Report your observations using known solutions in the table below.

	$\text{Pb}(\text{NO}_3)_2$	KSCN	$\text{FeCl}_3$	$\text{Ba}(\text{NO}_3)_2$	NaCl	$\text{Na}_2\text{SO}_4$
AgNO <sub>3</sub>						
$\text{Pb}(\text{NO}_3)_2$						
KSCN						
$\text{FeCl}_3$						
$\text{Ba}(\text{NO}_3)_2$						
NaCl						

## Net Ionic Equations

1. silver nitrate + lead (II) nitrate
2. silver nitrate + potassium thiocyanate
3. silver nitrate + iron (III) chloride
4. silver nitrate + barium nitrate
5. silver nitrate + sodium chloride
6. silver nitrate + sodium sulfate
7. lead (II) nitrate + potassium thiocyanate

8. lead (II) nitrate + iron (III) chloride

9. lead (II) nitrate + barium nitrate

10. lead (II) nitrate + sodium chloride

11. lead (II) nitrate + sodium sulfate

12. potassium thiocyanate + iron (III) chloride

13. potassium thiocyanate + barium nitrate

14. potassium thiocyanate + sodium chloride

15. potassium thiocyanate + sodium sulfate

16. iron (III) chloride + barium nitrate

17. iron (III) chloride + sodium chloride

18. iron (III) chloride + sodium sulfate

19. barium nitrate + sodium chloride

20. barium nitrate + sodium sulfate

21. sodium chloride + sodium sulfate

## Unknown Solution

Report your observations using your unknown solutions in the table below.

Unknown letters \_\_\_\_\_

	2	3	4	5	6	7
1						
	2					
		3				
			4			
				5		
					6	

Report the identity of each of your unknown solutions below.

1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_ 4. \_\_\_\_\_

5. \_\_\_\_\_ 6. \_\_\_\_\_ 7. \_\_\_\_\_