

403B Sol Insol Worksheet

Dr. Duick

70 questions $\div 2 = 35$ pts

- 1) Write out the chemical formula,
- 2) Indicate whether the compound is soluble or insoluble.

1. Lead II sulfide
2. Silver chloride
3. Calcium sulfide
4. Lithium acetate
5. Potassium sulfite
6. Barium chromate
7. Magnesium sulfate
8. Aluminum phosphate
9. Mercury I iodide
10. Zinc hydroxide
11. Mercury nitrate
12. Strontium chromate
13. Lead IV nitrate
14. Tungsten VI chromate
15. Strontium sulfite
16. Calcium sulfate
17. Calcium carbonate
18. Silver chlorate
19. Ammonium carbonate
20. Tungsten IV acetate

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1. Classify each of the substances as being soluble or insoluble in water.

- a. KBr =
- b. PbCO_3 =
- c. zinc hydroxide =
- d. sodium acetate =
- e. silver iodide =
- f. zinc carbonate =

- g. silver acetate =
- h. copper (II) sulfide =
- i. $\text{Mg}_3(\text{PO}_4)_2$ =
- j. KOH =
- k. NH_4OH =
- l. Hg_2SO_4 =
- m. PbI_2 =

2. Identify the two new compounds which form if the solutions, as suggested by the following table, were mixed. CIRCLE the names of the compounds which would precipitate from the solutions.

	KBr	Na_2CO_3	CaS	NH_4OH
AgNO ₃				
BaCl ₂				
Al(NO ₃) ₃				
CuSO ₄				