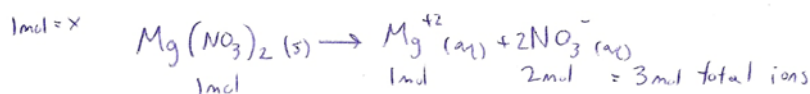
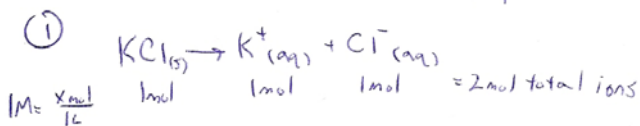
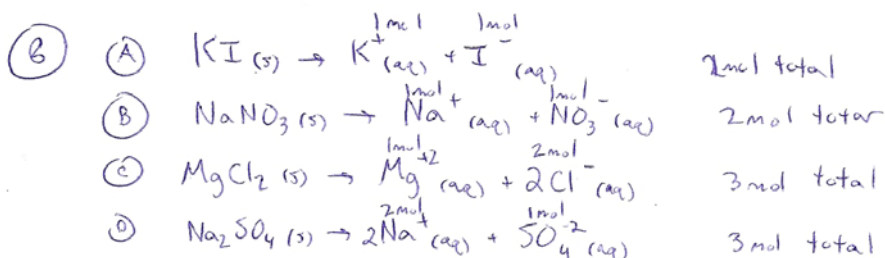


HW #23 p458 #1,2,5,8,9,11,13

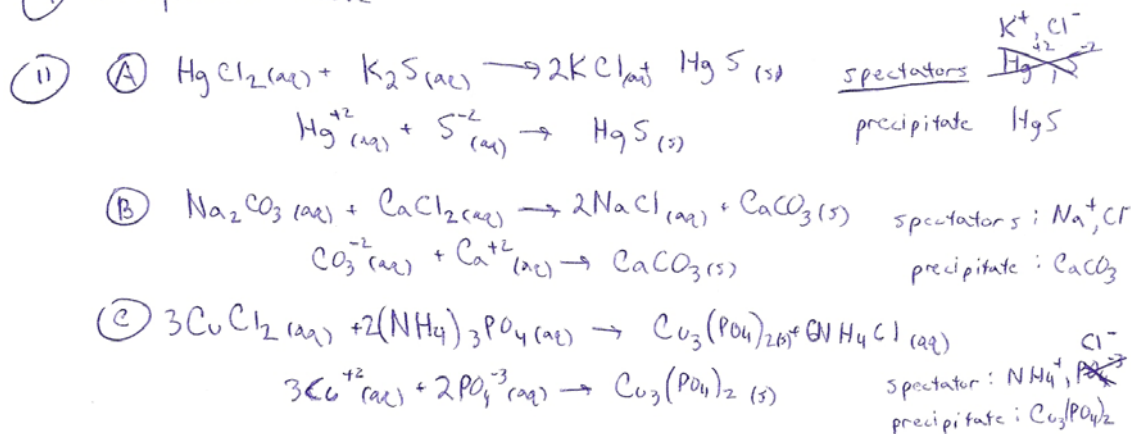


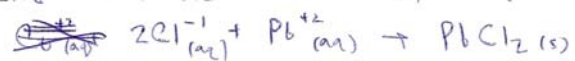
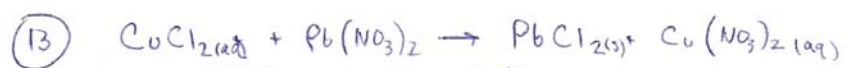
- (2)
- | | | | |
|---|-----------|---|-----------|
| a | soluble | f | soluble |
| b | soluble | g | soluble |
| c | insoluble | h | insoluble |
| d | insoluble | i | insoluble |
| e | insoluble | j | soluble |

- (3) A STRONG ELECTROLYTE IONIZES (DISSOCIATES) 100% and carries an electrical current well. It is very soluble.
 A weak electrolyte partially ionizes (slightly soluble) and does not carry a current well.



- (9) see products above





$13.45\text{g CuCl}_2 \times \frac{1\text{mol CuCl}_2}{134.45\text{g}} \times \frac{1\text{mol PbCl}_2}{1\text{mol CuCl}_2} \times \frac{278.10\text{g}}{1\text{mol PbCl}_2} = \boxed{27.81\text{g PbCl}_2}$