

## Stoichiometry Review – Answers

1. 4.2 g AgCl
2. Limiting Reactant – CuO  
Excess Reactant – H<sub>2</sub>  
Percentage Yield = 94.3 %  
  
Theoretical = 15.9 g Cu  
Actual = 14.5 g Cu
3. 1.22 g H<sub>2</sub>O
4. Theoretical = 35.5 g LiCl  
Percentage Yield = 16.9 %
5. 141 g CO<sub>2</sub>
6. Theoretical = 164.3 g Ag<sub>3</sub>PO<sub>4</sub>  
Limiting Reactant – AgNO<sub>3</sub>  
Excess Reactant – Na<sub>3</sub>PO<sub>4</sub>  
Grams of Excess Reactant Used in the Reaction – 64.35 g Na<sub>3</sub>PO<sub>4</sub>  
Grams of Excess Reactant After the Reaction – 135.6 g Na<sub>3</sub>PO<sub>4</sub>