**Warmup: Limiting Reactant Question**

A 50.6 g sample of Mg(OH)2 is reacted with 45.0 g of HCl. What is the limiting reactant and how much MgCl2 will be produced (in grams)?

Mg(OH)2 (aq) + HCl (aq)--> MgCl2 (s) + H2O (l) (unbalanced)

Answer: HCl limiting, mass MgCl2 is 58.7g