

Name: _____ Date: _____ Period: _____

Stoichiometry- Limiting Reactants (Don't forget to balance!)



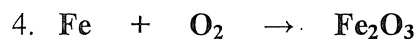
- (a) Given 8.00g of Zn and 6.00g S_8 , which is the limiting reagent?
- (b) How much excess reactant is left (in grams)?
- (c) How much ZnS is made (in grams)?



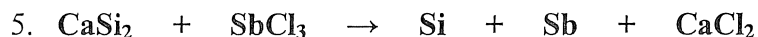
- (a) Given 15g of CS_2 and 15g of O_2 , which is the limiting reagent?
- (b) How much excess reactant is left (in grams)?
- (c) How much of each product is made (in grams)?



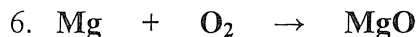
- (a) Given 5.0g of Fe and 6.0g H_2O , which is the limiting reagent?
- (b) How much excess reactant is left (in grams)?
- (c) How much of each product is made (in grams)?



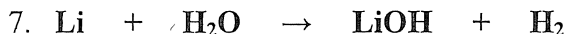
- (a) Given 10.0g of Fe and 12.0g of oxygen, which is the limiting reagent?
- (b) How much excess reactant is left (in grams)?
- (c) How much Fe_2O_3 is made (in grams)?



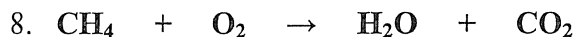
- (a) Given 5.5g of CaSi_2 and 10.7g of SbCl_3 , which is the limiting reagent?
- (b) How much excess reactant is left (in grams)?
- (c) How much of each product is made (in grams)?



- (a) Given 10.0g of Mg and 12.0g of O_2 , which is the limiting reagent?
- (b) How much excess reactant is left (in grams)?
- (c) How much MgO is made (in grams)?



- (a) Given 5.00g of Li and 6.7g of H_2O , which is the limiting reagent?
- (b) How much excess reactant is left (in grams)?
- (c) How much of each product is made (in grams)?



- (a) Given 6.00g of CH_4 and 4.00g of O_2 , which is the limiting reagent?
- (b) How much excess reactant is left (in grams)?
- (c) How much of each product is made (in grams)?