Name:	Date:	Period:
Chemistry Worksheet: Limiting Reactant Worksheet		
<b>1. Consider the following reaction: 2 Al + 6 HBr</b> a. When 3.22 moles of Al reacts with 4.96 moles of I		
b. how many moles of H2 are formed?		
c. For the reactant in excess, how many moles are let	ft over at the end o	f the reaction?
2. Consider the following reaction: 3 Si + 2 N <sub>2</sub> - a. When 21.44 moles of Si reacts with 17.62 moles o		miting reactant?
b. how many moles of Si <sub>3</sub> N <sub>4</sub> are formed?		
c. For the reactant in excess, how many moles are les	ft over at the end o	f the reaction?
3. Consider the following reaction: 2 CuCl <sub>2</sub> + 4 K a. When 0.56 moles of CuCl <sub>2</sub> reacts with 0.64 moles		
b. how many moles of I2 are formed?		
c. For the reactant in excess, how many moles are let	ft over at the end o	f the reaction?
4. Consider the following reaction: 4 FeS <sub>2</sub> + 11 O a. When 26.62 moles of FeS <sub>2</sub> reacts with 5.44 moles		
b. how many moles of SO2 are formed?		
c. For the reactant in excess, how many moles are lef	ft over at the end o	f the reaction?