WORKSHOP 6: Stoichiometry			Nar	ne:			
				Section			
Review the Stoichiometry Path(s) presented in your textbook.							
1.	Ammonia gas will react with oxygen gas to yield nitrogen monoxide gas and wate vapor.					ter	
	a.	Write the balance	ed equation for th	is reaction.			
	b.	How many mole	es of ammonia will	I react with 23.1	3 g of oxygen?		
	c.	If 26.42 g of war	ter is produced, ho	ow many g of ox	tygen gas reacted?		
	d.	If the reaction us monoxide will b		g of ammonia, h	ow many grams of nitroge	n	
2.		ter.	ets with oxygen ga	-	bon dioxide gas and liquid	l	
	b.	How many gram reacts with exce		produced when	5.33×10^4 mg of propane		

c. What mass of carbon dioxide would result from the reaction of 12.82 kg of oxygen with excess propane?

3.		id iron(III) oxide reacts with carbon monoxide gas to produce solid iron and oon dioxide gas.			
	a.	Write a balanced equation for the reaction.			
	b.	How many grams of carbon monoxide are required to react with 25.4 kg of iron(III) oxide?			
	c.	If you started with 50.00 g of iron(III) oxide, how many grams of solid iron would be formed?			
	d.	If you needed to produce 10.00 pounds of solid iron, how many grams of iron(III) oxide would you need to start with?			
4.	So	dium sulfate solution is mixed with a solution of barium chloride.			
	a.	Write the balanced equation for this double displacement reaction. (You need to predict the products.)			
	b.	How much solid barium sulfate will be produced from the reaction of 45.12 kg of sodium sulfate with 45.02 kg of barium chloride?			