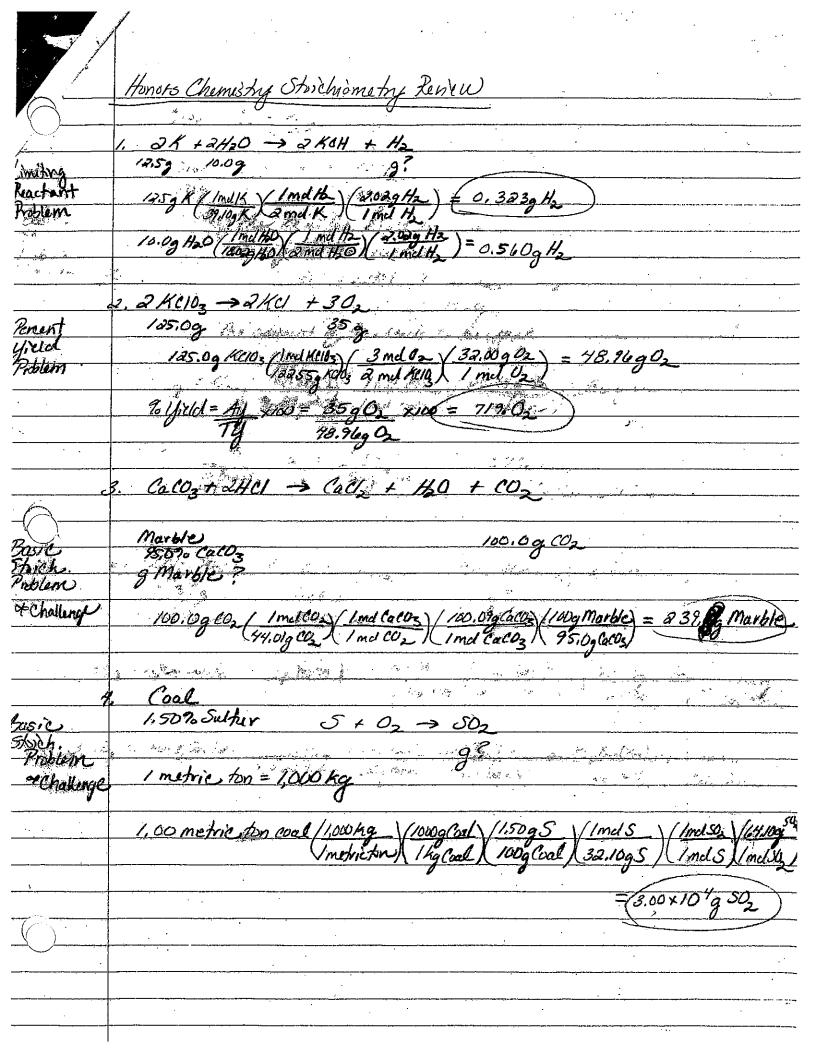
Honors Chemistry Stoichiometry Review

- 1. How many grams of hydrogen are formed from the reaction of 12.5 grams of potassium with 10.0 grams of water?
- 2. The decomposition of 125.0 grams of potassium chlorate produced 35 grams of oxygen. What is the percent yield of oxygen?
- 3. Marble is 95.0% calcium carbonate. When calcium carbonate reacts with hydrochloric acid, carbon dioxide gas and water are produced, rather than carbonic acid. How many grams of marble are needed to make 100.0 grams of carbon dioxide? *Cacla also produced
- 4. Burning coal in a power plant produces sulfur dioxide gas, a severe air pollutant, because the coal, which is mostly carbon, contains a small amount of sulfur. When the coal is burned, the sulfur reacts with some of the oxygen in the air. What mass of sulfur dioxide is formed for each metric ton of coal burned, if the coal is 1.50% sulfur?
- 5. Brass is an alloy, or mixture, of copper and zinc. When 150 grams of a certain type of brass were reacted with hydrochloric acid, 180 grams of zinc chloride were recovered, while the copper was left unreacted. What is the percent of copper in the brass?
- 6. 5.35 grams of 20.0% sodium phosphate solution are mixed with 3.68 grams of 35.0% barium nitrate solution. How many grams of barium phosphate precipitate are formed?



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a to get	
	5. Brass = Cu + Zn
	Di Dias = Cu + En
	Book
	Brass + HC/ -> 7nC/2 1509 1809
Basic	
かんし	Only the In in the Brass reacted
roblem	Therefore The reaction is:
*Challange	2n + 1HU -> 2nU2 + H2
	180 g
	180 g. The amount of In reeds to be found to silve for percent.
	180g Incl. [Ind Inth / 65,39g In = 860 20
	180g 3ncl. (Iml 2nth) (moltin) (65.39g 2n) = 86g 2n
	90-2n = 970 ×100 = 869 2n ×100 = 5770 2n 9 Brass 1509 Brass (. Cu is 4370 in Brass)
	gorass Sog brass (. Cu is 43% in Brass)
6	J. 35 a 3.180 3000) Baz (RO4) + 6NaNO3 (cas)
	J. 353 3.088
	20.0% SAn. 35,0% SUN.
5354	Nasper Solution (20.09 Naspor) (mil Naspor) (/ mil Baz (PNY) (601,939 Baz (PNN) = 1,96 as 1009 Soln) (63,979 Maz PDY) (2 mil Naspor) (mil Baz (PNN) Baz (PNN) Baz (PNN)
0	(100g Soln.) 163,97g Naz Pby 2 mil Naz Doy / mid Baz (Hu) 2 Baz (Pby)
	13 112 1043610412
3.6891	Boldost Stuten /35.00 Balan) (and Balles) (lovel Bon (Dive) \ (an 02 - Kn (De.))
0	100 a South 2 2/1/20 Reserve 2 12/11/20 12/11/20 70, 9870
	3 mel Ballos) (mel Baz(PO4)) (Baz(PO4))