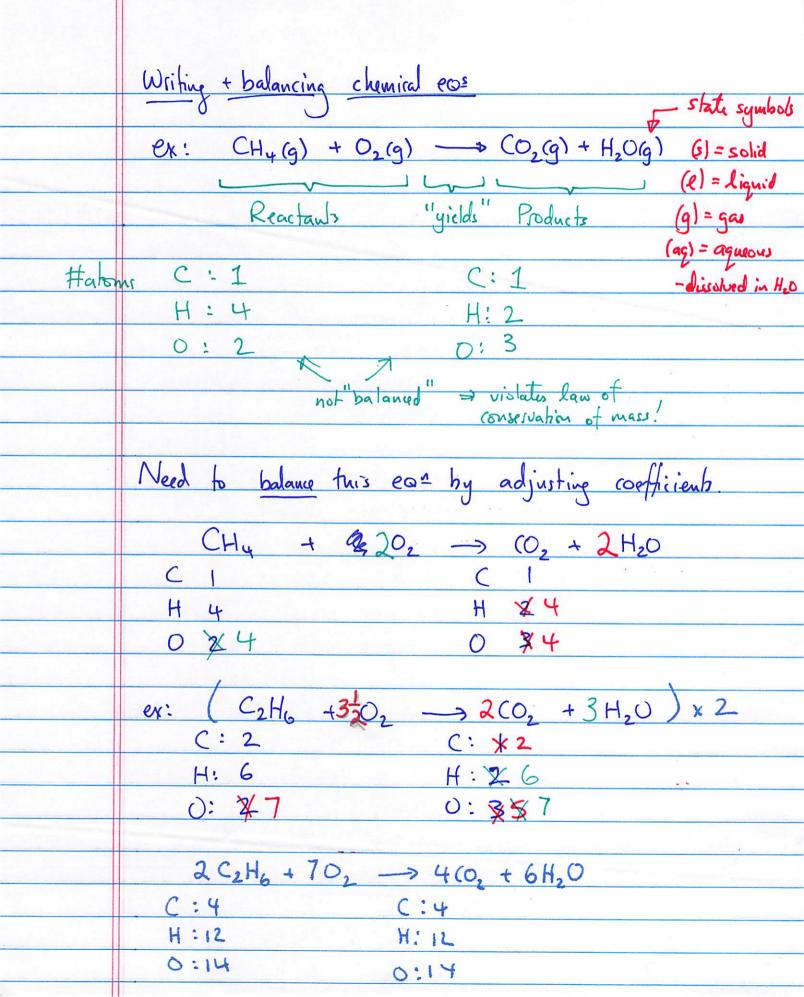
9/26/2018	
	Aspilin: 60.00% C)
	4.4895 H > -> emp. formula?
	35.52%0)
	Assume 100-a sample
	60.00g C , Imol C = 4.9958 mol C 2.2504 C
	12.01gC = 2.25
	4.48g H x Imol (A) = 4.444mol H = 2.0018 H
	1.008g H 2.220 mol 22
	35.52g O, Imol O = 2.220 mol O ) (1.000 '0'
	16.0090
WWW.	C4.996 H4.44 O2.220
	"pseudoformula" (x4
	29 k, 28 H, ≈4'0'
	empirical formula - o CaH8O4
	of aspilin
	Sugars (carbohydratus) have an empirical formula of CH20  If fructose has a molar mass of (180.29/mol)
	If fructose has a molar mass of (180.29/mol)
	what is its molecular formula?
	n= molar mass v 6
	Molecular = Empirical x n empform. mass formula formula (
	formula formula (
	1234. CH20 12 ml
	Mol. form. = (CH2O)n = Cn H2nOn 2xH = 2.016
	$= (CH_2O)_6 =  C_6H_{12}O_6                                     $



2Ka03 -> 2Ka + 302
Balance: (KC103 -> 1 <c1 +1202)="" th="" x2<=""></c1>
K: 1 K: 1
a: 1 q: 1
0:3 0:23
··· practice!!! Read: pages 122-126
Chapter 4: Chemical Quantities + Aqueous Rxns
consider: 2 C2H6(g1 + 702(g) -> 4(02(g) + 6H2O(g)
can read this as , say ,
2 molecules of C2H6 form 4 molecules of CO2
or more usefully
2 mol C2H6 form 4 mol CO2
Coefficients in bal. ea give us the MOLAR RATIOS.
2 mol C2 H6 = 4 mol (02)
7 mol O2 = 6 mol H20 > conversion factors!
2 mol (2H6 = 7 mol Oz ).
We use this info to help predict amounts used/formed.
STOICHIOMETRY