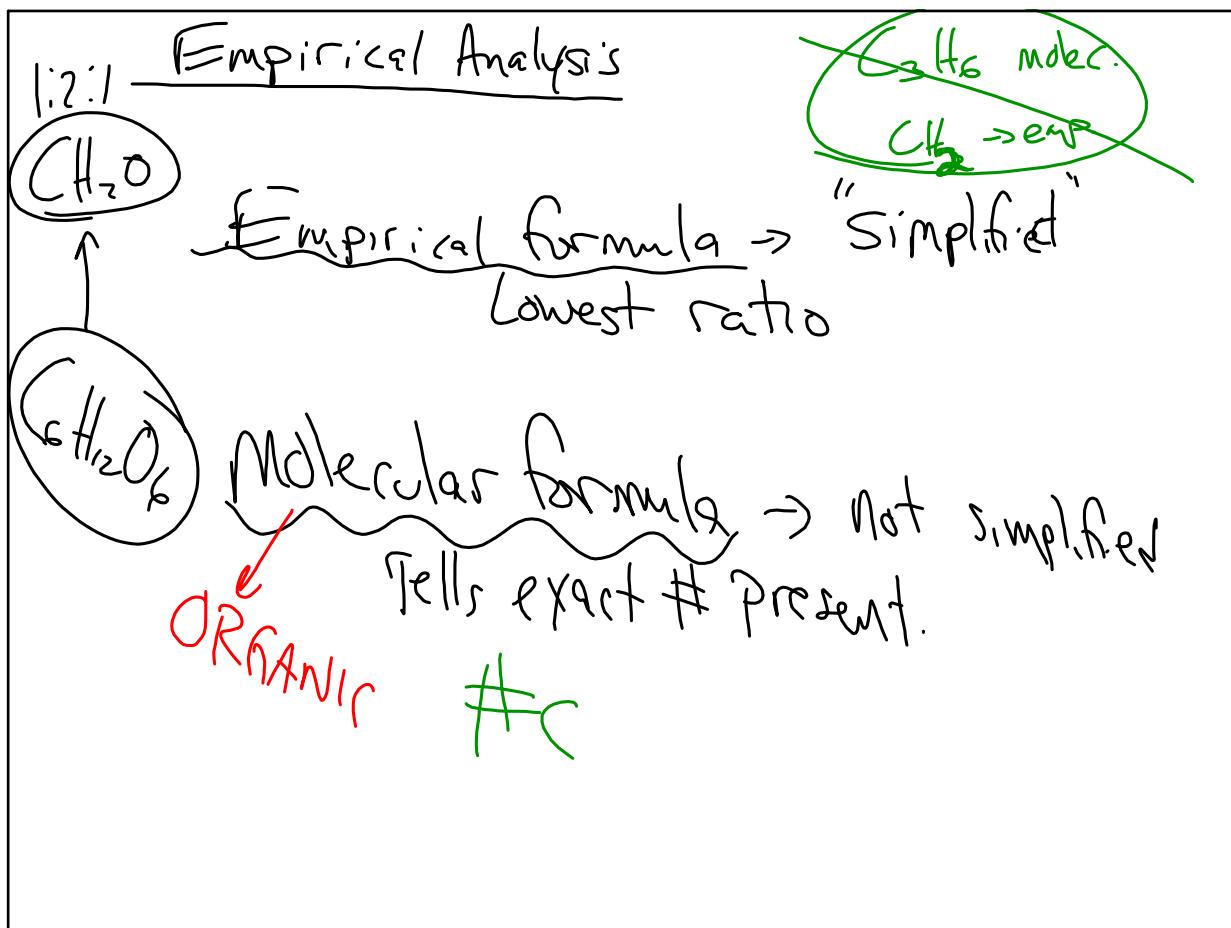


<u>5.23g glucose</u>	=	<u>atoms Oxygen.</u>
<u>1 mol C₆H₁₂O₆</u>	(3) #, unit, substance	
	MOLE RATIO	
5.23g C ₆ H ₁₂ O ₆	1 mole C ₆ H ₁₂ O ₆	6 atoms O
	180 g C ₆ H ₁₂ O ₆	6 × 10 ²³ atoms O
	1 mole glucose	Mole O
.	=	1.046 × 10 ²³ atoms O

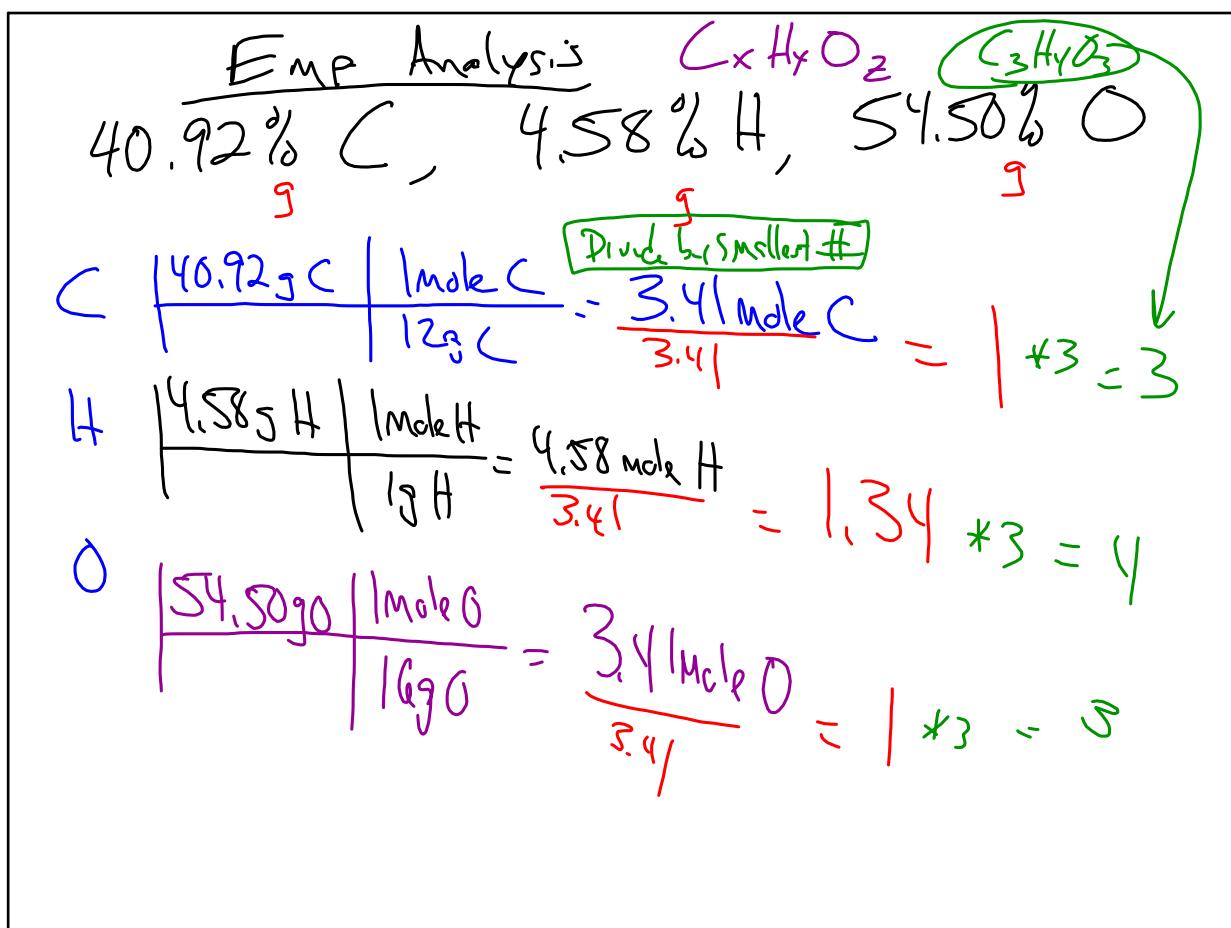
Sep 20-7:40 AM

2 H ₂ (g)	+ O ₂ (g)	→ 2 H ₂ O(g)
If we have 5L of O ₂ (g), how many grams of H ₂ (g) are needed for all 5L to react?		
5L O ₂	1 mol O ₂	2 mol H ₂
	22.4 L	1 mol O ₂
		2 mol H ₂
		= 0.693 g H ₂

Sep 20-8:05 AM



Sep 20-8:11 AM



Sep 20-8:17 AM

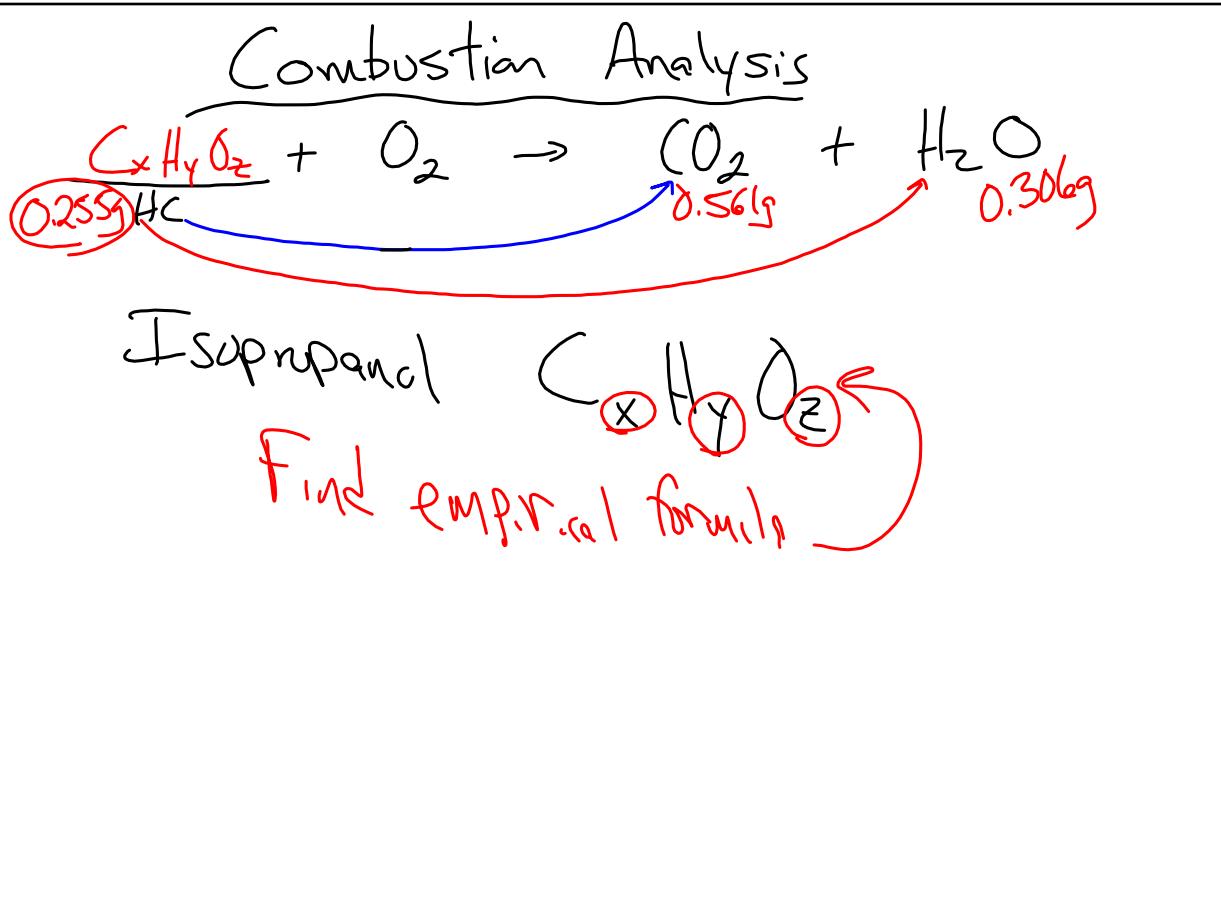
Last step

0.33 or 0.66 ($\times 3$)

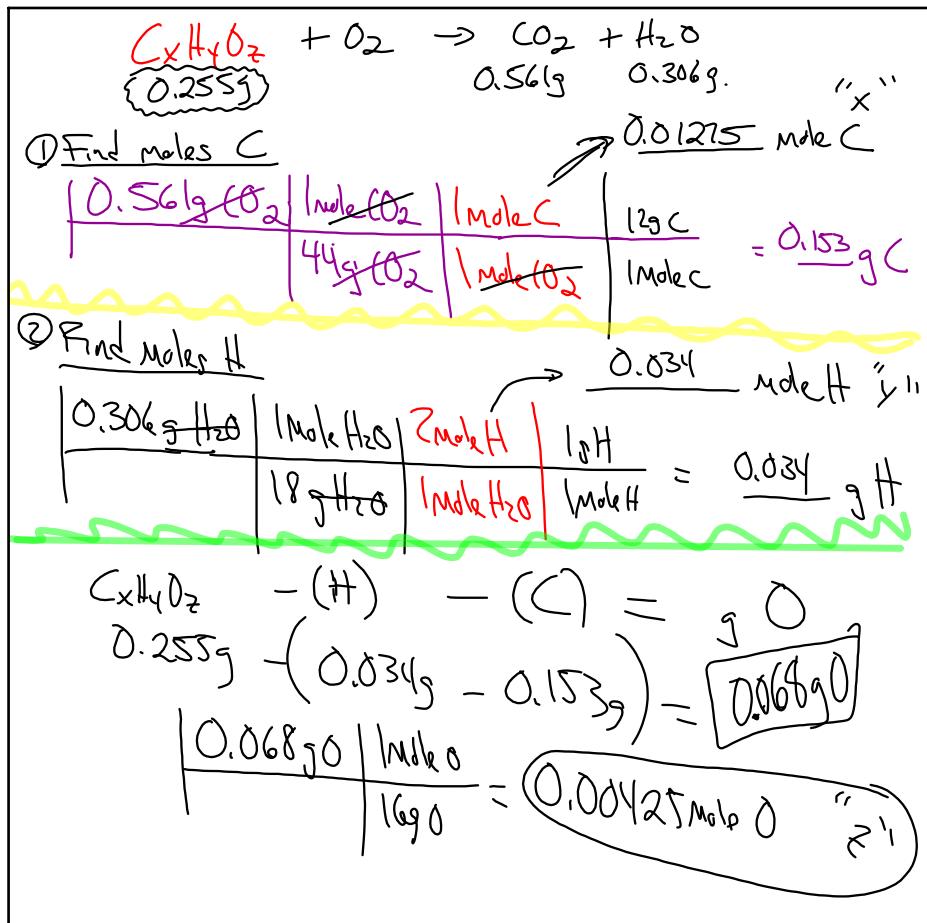
0.5 ($\times 2$)

0.25 or 0.75 ($\times 1$)

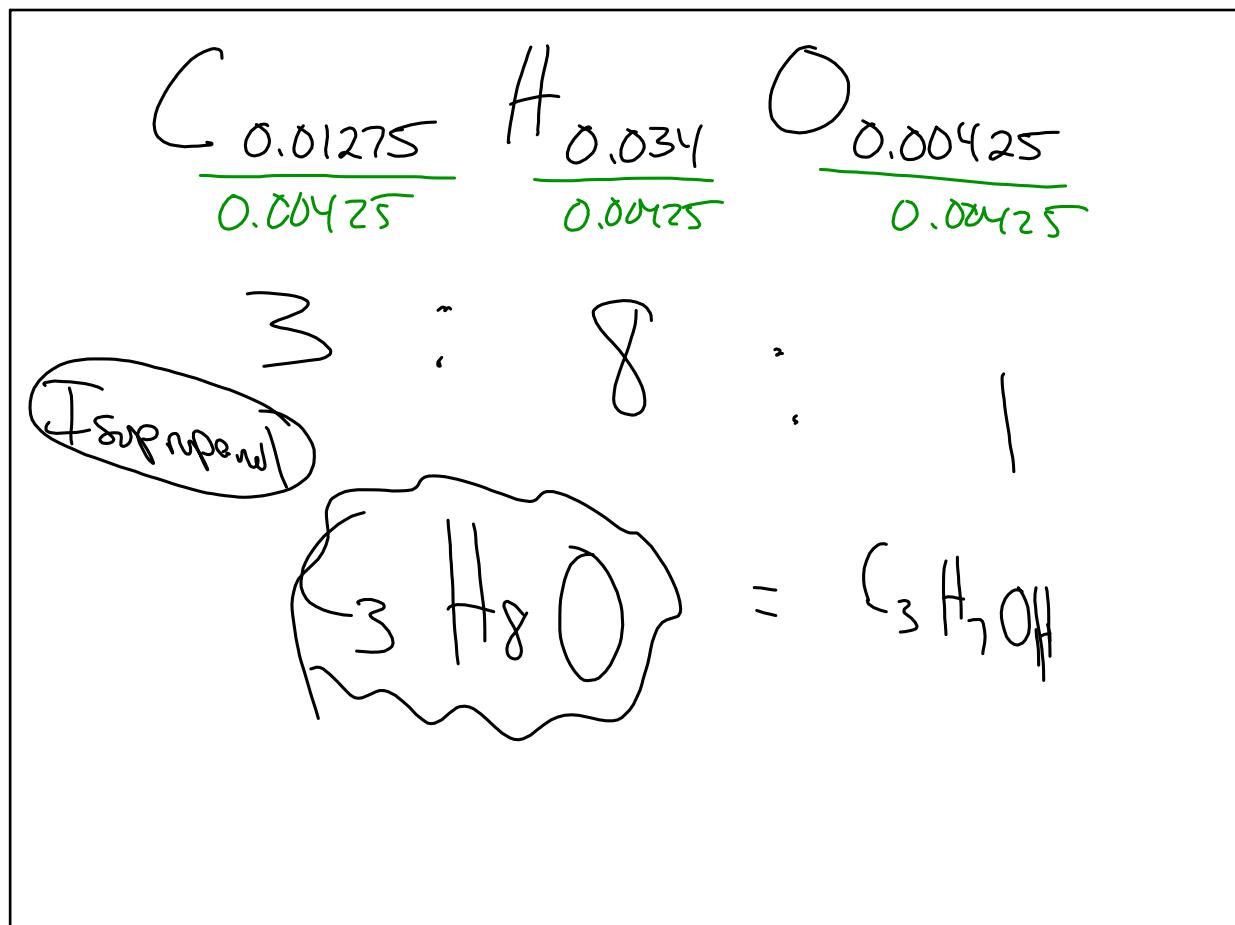
Sep 20-8:29 AM



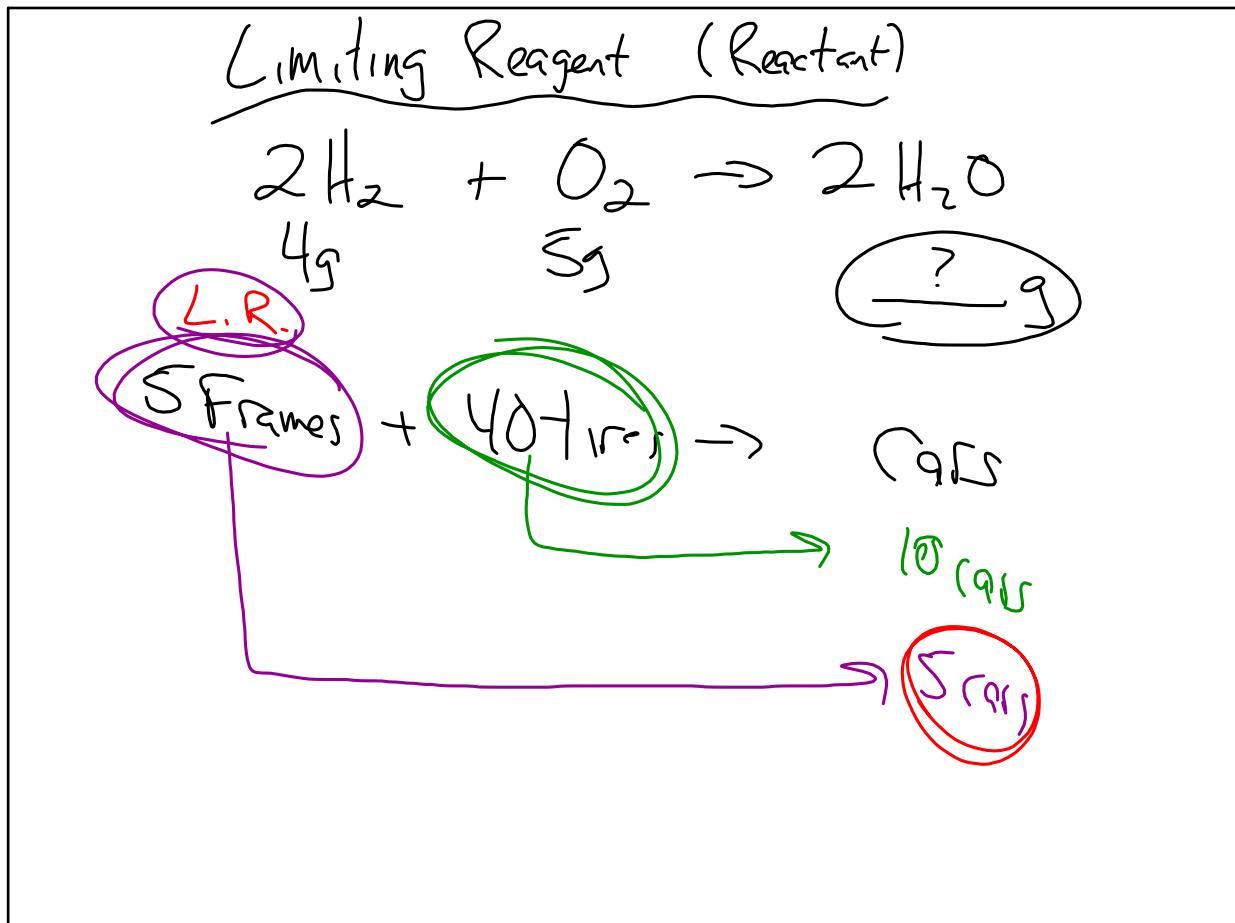
Sep 20-8:31 AM



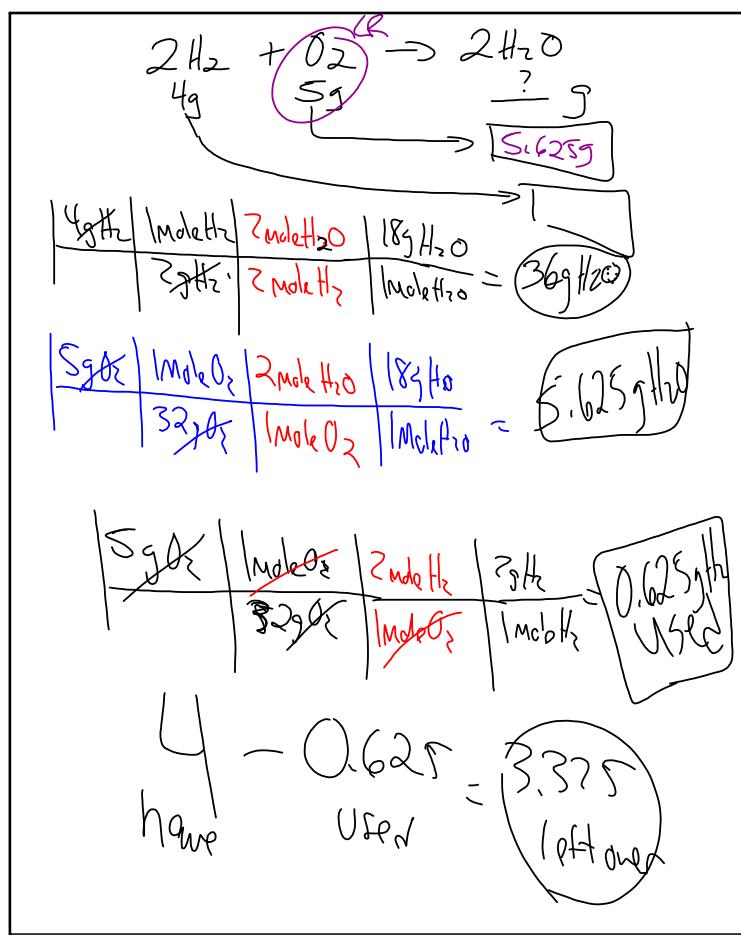
Sep 20-8:42 AM



Sep 20-8:54 AM



Sep 20-8:59 AM



Sep 20-9:02 AM