

Unit 4 In Class Bonus Problem
 When balancing equations remember to only change the coefficients and not the subscripts.



Because you have a molecular element (O_2) on the reactant side you should expect to have an even number of 'O' atoms on both the reactant and product sides.



C 12

H 28

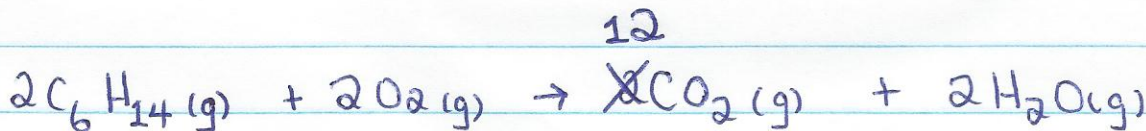
O 4

C 2

H 4

O 6

1) Balance C because it is in more complex substance.
 Lowest common ~~number~~ is 12.



C 12

H 28

O 4

C ~~X~~ 12

H 4

O ~~X~~ 26

2) Balance H (also in more complex substance)

Lowest common ~~number~~ is 28.

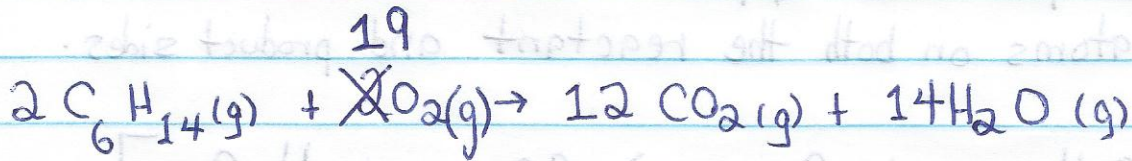


C 12
H 28
O 4

C 12
H * 28
O * 38

3) Balance O (which is in a molecular element)

Lowest common number is 38



C 12
H 28
O * 38

C 12
H 28
O 38



Balanced