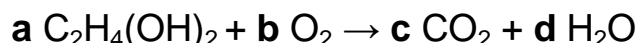


Soluciones de Igualación de reacciones químicas

1. Igualar las siguientes reacciones químicas

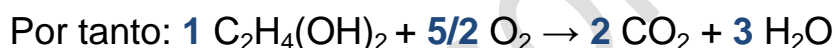


Balance C: $2 a = c$

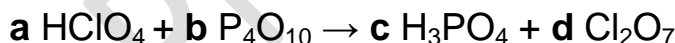
Balance H: $6 a = 2d$

Balance O: $2 a + 2 b = 2 c + d$

Si $a = 1$: $c = 2$ (balance de C)
 $d = 3$ (balance de H)
 $b = 5/2$



O bien, si queremos eliminar el número fraccionario, multiplicamos por 2:



Balance de H: $a = 3 c$

Balance de Cl: $a = 2d$

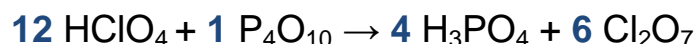
Balance de O: $4 a + 10 b = 4 c + 7 d$

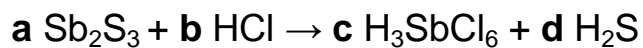
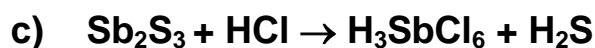
Balance de P: $4 b = c$

Si $a = 1$: $c = 1/3$ (Balance de H)
 $d = 1/2$ (Balance de Cl)
 $b = 1/12$ (Balance de P)
 $d = 1/2$ (Balance de O)



Si queremos eliminar el número fraccionario multiplicamos por 12:





Balance de Sb: $2a = c$

Balance de S: $3a = d$

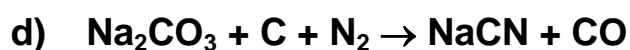
Balance de H: $b = 3c + 2d$

Balance de Cl: $b = 6c$

Si $a = 1$: $c = 2$ (Balance de Sb)

$d = 3$ (Balance de S)

$b = 12$ (Balance de Cl)



Balance de Na: $2a = d$

Balance de C: $a + b = d + e$

Balance de O: $3a = e$

Balance de N: $2c = d$

Si $a = 1$: $d = 2$ (Balance de Na)

$e = 3$ (Balance de O)

$c = 1$ (Balance de N)

$b = 4$ (Balance de C)

