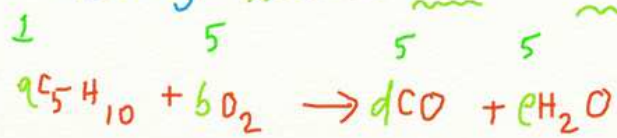


Balan cing equations contd... Chem 15 20 Sep



$$C : 5a = d \quad (1) \quad \text{4 unknowns}$$

$$H : 10a = 2e \quad (2) \quad \text{2 equations}$$

$$O : 2b = d + e \quad (3)$$

$$b = 5, e = 5$$

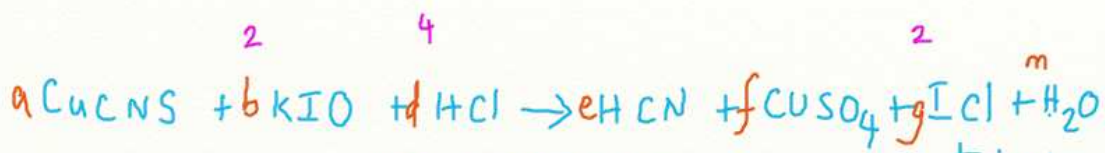
$$a = \frac{2e}{10} = 1,$$

$$d = 5$$

$$(3) \quad 2b = 5a + e$$

$$= 5 \left(\frac{2e}{10} \right) + e = \frac{10e}{10} + e = 2e$$

$$2b = 2e \Rightarrow b = e \quad (4)$$



this equation was written wrong.

KIO_3 not KIO .

Cu: $a = f$

C: $a = e$

N: $a = e$

S: $a = f$

K: $b = p$

I: $b = g$

O: $b = 4f + m$

H: $d = e + 2m$

Cl: $d = g + p$

$b = 4f + m$

$b = 4e + m$

$d = g + p$

$d = b + b = 2b$

$d = e + 2m$

$d = a + 2(b - 4f)$

$d = a + 2b - 8f$

$d = a + d - 8a \rightarrow \text{no solution.}$
 $= -7a = 0$

$b = 2 = g = p$

$d = 4$

$2 = 4f + m$

$4 = e + 2m$