

Noteset 4B : In Class Notes

Balancing Reaction Steps

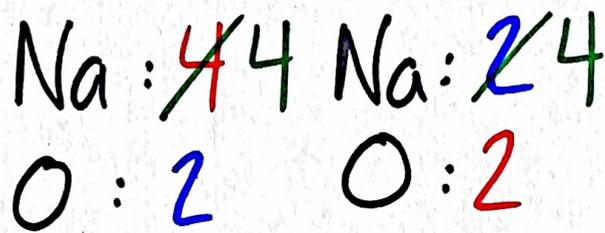
1. Write Reaction (Complete Reaction if Needed)
2. Write Balancing Chart / Fill in Atoms
3. Choose 1 atom to balance (3's and 5's First)
4. Distribute coefficients to other atoms
5. Repeat 3 and 4
6. Check that equation is balanced

Combination Reactions



Balance "O" First
(O is by Na, distribute to Na)

$$\left(\frac{2}{1} = 2\right)$$

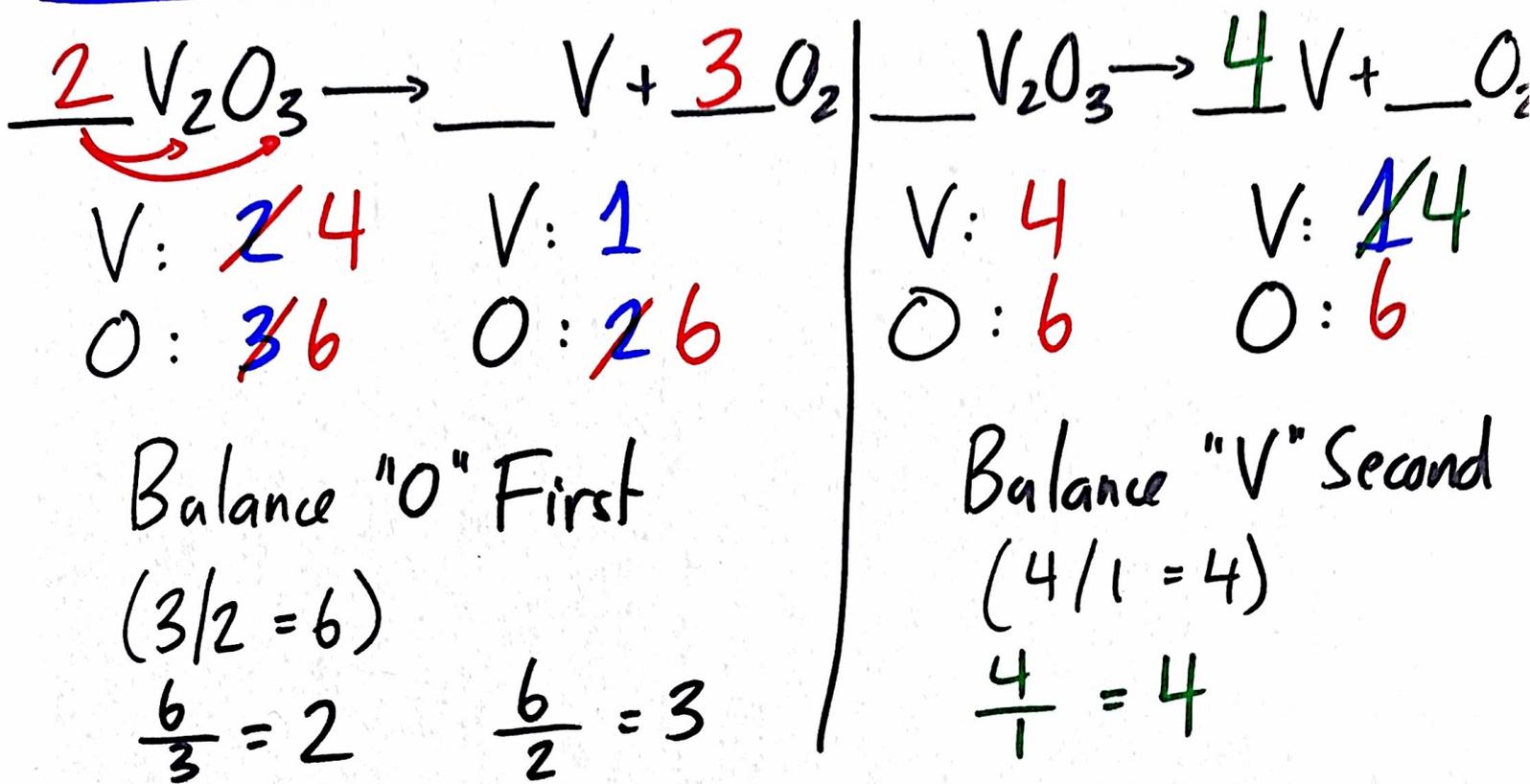


Balance "Na" next

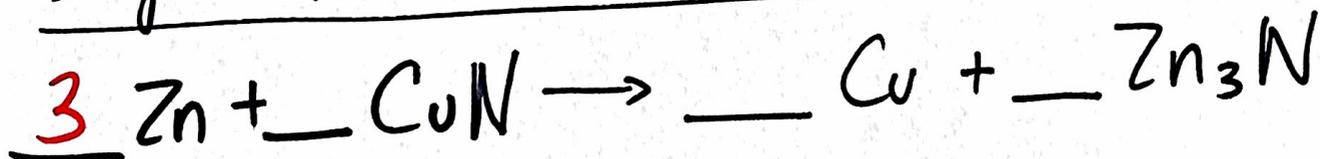
$$\left(\frac{4}{1} = 4\right)$$

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Decomposition Reaction



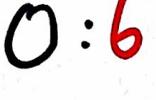
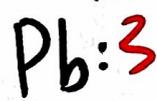
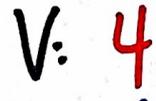
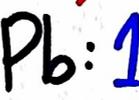
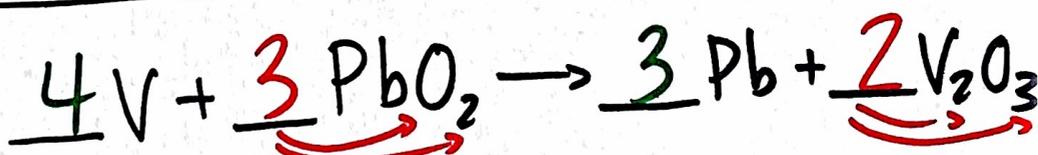
Single Replacement Reaction



Balance Zn First

$$\left(\frac{3}{1} = 3\right)$$

[Only 1 to balance]



Balance "O" First

$$\left(\frac{6}{2} = 3\right)$$

$$\left(\frac{6}{3} = 2\right)$$

Balance "V" and "Pb"

$$\text{V} \left(\frac{4}{1} = 4\right)$$

$$\text{Pb} \left(\frac{3}{1} = 3\right)$$