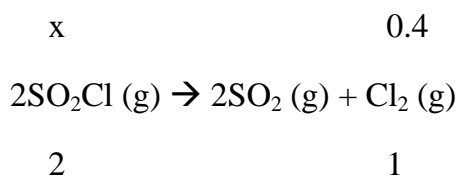


If “*cabbage calorific gas*” is cabbage colorific gas and is Cl_2 , solution is next:

It is possible to find amount of SO_2Cl that was decomposed to produce 0.4 mol of Cl_2



$$X = 2 \cdot 0.4 = 0.8 \text{ mol}$$

Degree of dissociation is:

$$w = 0.8 / 1.2 \cdot 100\% = 66.67 \%$$