

Short Answer

Ox state \rightarrow mark -1

$H_2SO_4 \rightarrow$ is neutral $SO_4^{2-} \rightarrow$ is (-2) charge

$$\begin{array}{c} 2(+1) + 5 + 4(-2) = 0 \rightarrow 2 + 5 - 8 = 0 \\ \underline{H} \qquad \qquad \underline{O} \end{array}$$

$$S - 6 = 0$$

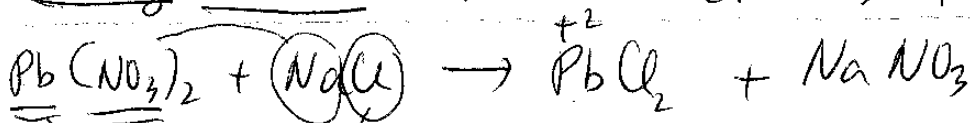
$$S - 6 + 6 = 0 + 6$$

$$S = 6$$

$$M = \frac{\text{moles of solute}}{\text{liter of solution}}$$

Use as conversion factor

Long Answer - metathesis is exchange Rxn



Ⓐ not balanced -1

Ⓑ net ionic - wrote only spectator (-1)

not net ionic - not ionic
full credit off

included some spectator
-1

extra credit - either +0 or half credit or full credit

polyatomic ions do not dissociate

