Angeles City Science High School

Science 10

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Activity 4. Balance The Unbalance

Direction: Balance the chemical equation by checking th number of atoms of aech element given. The number of atoms present in each element of reactant must have the same count with that of the product(s). If on the initial check you find out that the equation is not balance add coefficient on the blank before the symbol.

1. $\underline{3}\, Mg(OH)_2(aq) + \underline{2}\, H_3PO_4(aq) \rightarrow \underline{6}\, H_2O(I) + \underline{1}\, Mg_3(PO_{4)_2}(aq)$

2. $\underline{2}\, LiHCO_3(s) \rightarrow \underline{1}\, Li_2CO_3(s) + \underline{1}\, H_2O(g) + \underline{1}\, CO_2(g)$

3. $\underline{2}\, KOH + \underline{2}\, NO_2 \rightarrow \underline{1}\, KNO_2 + \underline{1}\, KNO_3\, \underline{1}\, H_2O$

4. $\underline{6}\, NaOH + \underline{1}\, P_2O_s \rightarrow \underline{2}\, Na_3PO_4 + \underline{3}\, H_2O$

5. $\underline{4}\, Fe + \underline{3}\, O_2 \rightarrow \underline{2}\, Fe_2O_3$