

Answer on Question # 69074, Chemistry / General Chemistry

How do I identify $\text{Ba}(\text{NO}_3)_2$, KOH , ZnSO_4 , MgSO_4 solutions by only mixing each other?

Solution:

When you add ZnSO_4 or MgSO_4 solutions in $\text{Ba}(\text{NO}_3)_2$ solution, the white precipitate has to be appeared. The next reaction:

Ba

The adding solution without falling out of precipitate can be estimated as KOH solution.

When you add KOH solution in ZnSO_4 or MgSO_4 solutions, the white precipitate has to be appeared. But the abundance of KOH solution can dissolve precipitate in ZnSO_4 solution. The reactions:

[Zn]