

Solubility rules

9. Review solubility rules and identify each of the following compounds as soluble or insoluble in water.

Na_2CO_3 _____	CoCO_3 _____	$\text{Pb}(\text{NO}_3)_2$ _____
K_2S _____	BaSO_4 _____	$(\text{NH}_4)_2\text{S}$ _____
AgI _____	$\text{Ni}(\text{NO}_3)_2$ _____	KI _____
FeS _____	PbCl_2 _____	CuSO_4 _____
Li_2O _____	$\text{Mn}(\text{C}_2\text{H}_3\text{O}_2)_2$ _____	$\text{Cr}(\text{OH})_3$ _____
AgClO_3 _____	$\text{Sn}(\text{SO}_3)_4$ _____	FeF_2 _____

10. Predict whether each of these double replacement reactions will give a precipitate or not based on the solubility of the products. If yes, identify the precipitate.

silver nitrate and potassium chloride _____

magnesium nitrate and sodium carbonate _____

