Reactions in Aqueous Solutions

AgNO_{3(aq)} + NaCl_(aq)
$$\Rightarrow$$
 AgCl_(s) + NaNO_{3(aq)}

Complete Ionic Equation

An equation that shows dissolved ionic compounds as dissociated free ions.

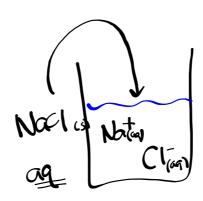
Agas +
$$102$$
 (ag) + 102 (ag) + 102 (ag) ->
$$AgC(s) + 102$$
 (ag)
$$AgC(s) + 102$$

Spectator Ion

An ion that appears on both sides of the equation and is not directly involved in the reaction.

Net Ionic Equation

An equation for a reaction in solution that only shows the particles directly involved in the reaction.



*All net ionic equations must be balanced with respect to both mass and charge

$$Pb_{(s)} + 2AgNO_{3(aq)} \Rightarrow 2A_{9(s)} + P_{5}(NO_{3})_{2(aq)}$$

Phos + 24gtan +2403can ->24gs) + Phos +2403can

Spectator Tons)

ND3091

Net Tonic

Pb(s) + 24g(s) + Pb(ag)

Homework

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