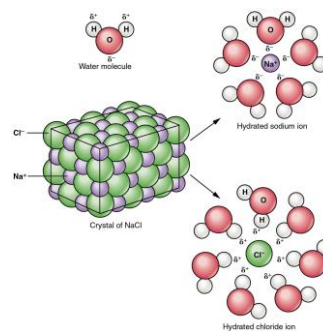
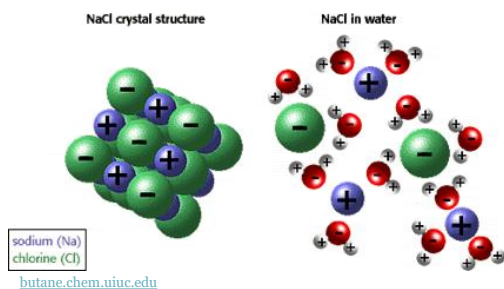


Net Ionic Reactions

New vocab

- Aqueous
- Soluble
- Insoluble
- Dissociate
- Precipitate

Dissociation of ionic compounds



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- [Animation of salt dissolving](#)

Double replacement reactions

One product is:

- Water
- Gas
- Solid (precipitate)

Water

- Write the double reaction equation for aqueous sodium hydroxide reacting with aqueous hydrogen chloride
- Label each reactant and product with (s), (l), (g), or (aq)

Precipitates

- Write the equation for silver nitrate reacting with sodium chloride
- Which product is soluble? Which is insoluble? Add (aq) or (s) to equation

Complete ionic equations

- Write dissociated compounds as ions
- Insoluble (solid) cmpds stay together

Net ionic equations

- Spectator ions
- Rewrite ionic equation without spectators

Practice

An aqueous solution of sodium phosphate is mixed with a solution of lead (II) nitrate

1. Write the equation
2. Write the complete ionic equation
3. Write the net ionic equation

More Practice!

- Hydrogen sulfate and potassium hydroxide
- Aluminum chloride and sodium hydroxide
- Lithium sulfate and calcium nitrate