

Name: _____

Ionic and Covalent Bonding Concept Map

Two main types of bonding

Type of elements
in this bond

bond is formed by
(what happens with e-?)

Covalent bonds form

an example is

properties include:

Type of elements
in this bond

bond is formed by
(what happens with e-?)

Ionic bonds form

an example is

Properties include:

Name:

Soluble in water ✓

Low boiling point ✓

Ionic ✓

Sodium chloride, NaCl ✓

Nonmetals ✓

Crystalline compounds ✓

Low melting point ✓

High melting point ✓

Two main types of Bonding ✓

Not soluble in water ✓

Metals ✓

Conductive aqueous solutions ✓

Molecular compounds ✓

Electrons are shared ✓

Not conductive ✓

Covalent ✓

High boiling point ✓

Electrons are transferred ✓

Ammonia NH₃ ✓