

Properties of Ionic and Covalent Compounds

Directions: drag the properties below into their appropriate location on the chart.

	Ionic Compounds	Covalent Compounds
Structure		
Boiling Point		
Melting Point		
Solubility		
Conductivity		
Formation		
Types of Elements		
State of Matter at Room Temp		
Texture		

Soft/Flexible

Low Boiling Point

Solids

Good conductor

Crystal Lattice

Liquids and Gases

Solubility Depends on Polarity

Soluble in Water

Nonmetals

High Melting Point

Lewis Structure

Share Electrons

High Boiling Point

Poor Conductors

Hard/Brittle

Low Melting Point

Metals and Nonmetals

Transfer Electrons