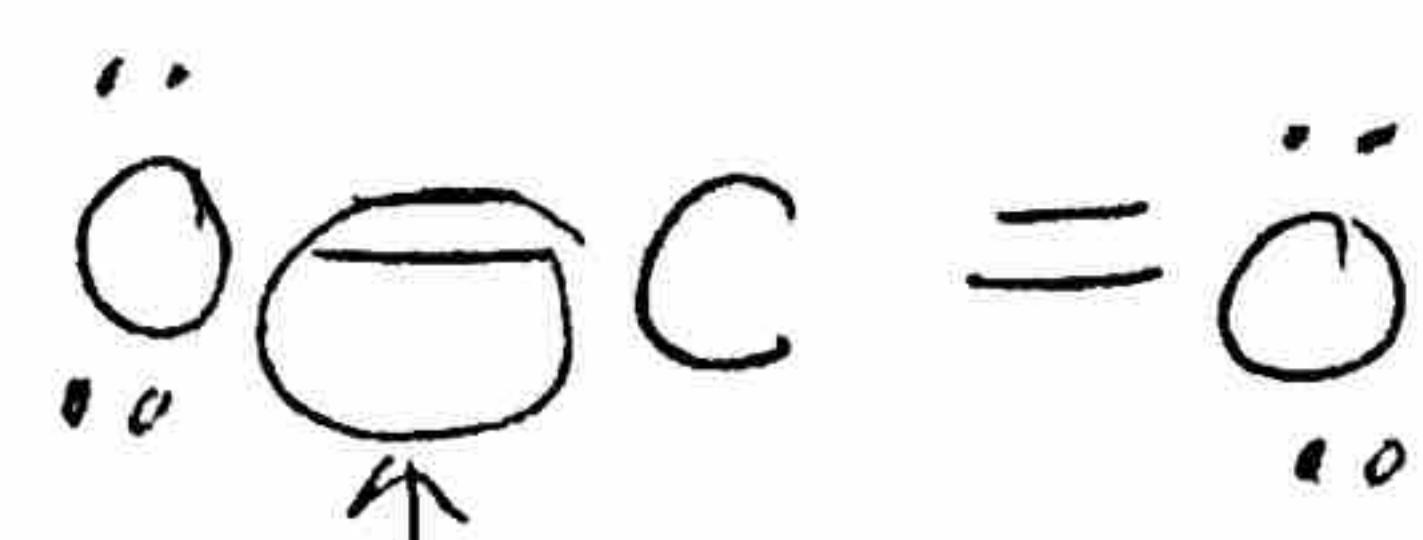


Key

DEFINITION	CHARACTERISTICS
the transfer of electron from cation to anion	<ul style="list-style-type: none">- high melting points / boiling points- conducts electricityhas liquid and when dissolved in water
EXAMPLES/MODELS	NON-EXAMPLES
NaCl KNO_3 CuCl_2	NO_2 CH_4



DEFINITION	CHARACTERISTICS
the sharing of electrons between two nonmetals	<ul style="list-style-type: none"> - low melting and boiling points - does not conduct electricity
EXAMPLES/MODELS	NON-EXAMPLES
NO_2 CH_4 XeF_2	NaBr CuCO_3



each bond is made up of two electrons, one from each atom

DEFINITION

CHARACTERISTICS

the attraction between metal atoms

- malleable
- ductile
- conducts electricity in all states of matter
- not soluble

Metallic Bonding

EXAMPLES/MODELS

NON-EXAMPLES

Ag

NaCl

Cu

HCl

Na

NO₂

