

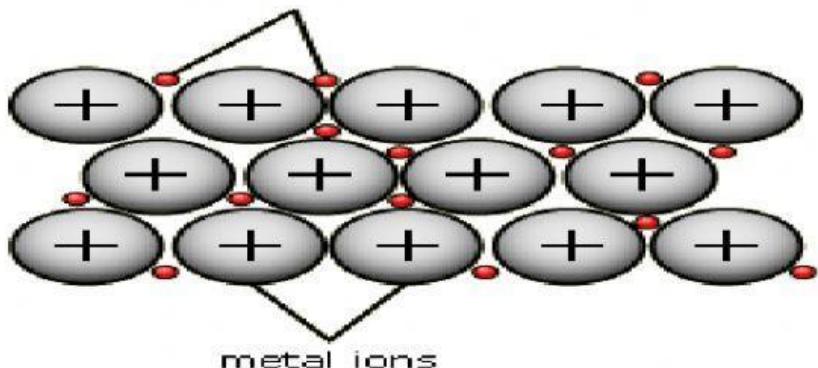
Name:.....

Grade: 9 G.....

Mark...../10

Metallic Bonding

free electrons from outer shells of metal atoms



Complete using the word bank

WORD BANK

Heat

Sea

Electricity

Electrons

Ions

vibrate

Metals are good conductors of _____ and _____. In metallic bonds, each atom loses _____, producing positively charged _____ and a _____ of free (delocalized) electrons.

When metals conduct electricity, the electrons all begin to move in the same direction, generating a current.

When metals conduct heat the ions begin to _____ intensely.