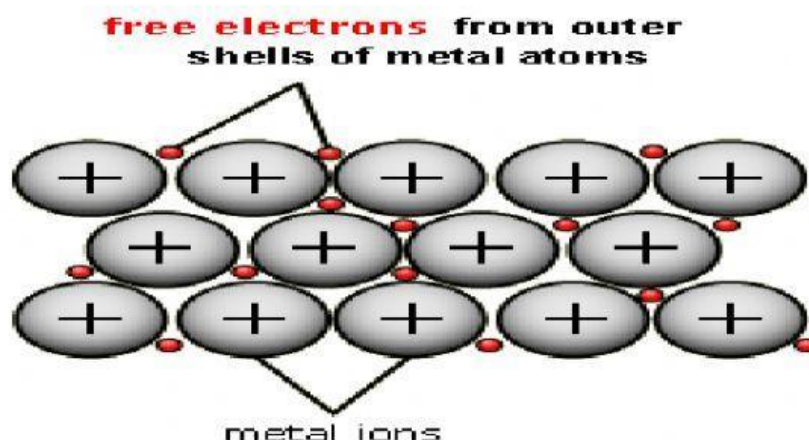


Name:..... Grade: 9 G.....

Mark...../10

## Metallic Bonding



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.