

HEAT FLOW

TRANSFER OF THERMAL ENERGY
FROM A HOT AREA TO A COOL
AREA

CONDUCTION

HEAT TRANSFERRED BY DIRECT
PARTICLES OF MATTER

EX. SOUP TO POT

RADIATION

THE TRANSFER OF HEAT THROUGH
AN EMPTY SPACE

EX. SUNLIGHT TO EARTH

CONVECTION

HEAT TRANSFER BY THE MASS
MOVEMENT OF A HEATED LIQUID

EX. HEATING OF SOUP, THE
EARTH'S MANTLE

CONVECTION CURRENTS

THE FLOW THAT TRANSFERS
HEAT WITHIN A FLUID

TEMPERATURE INVERSION

A LAYER OF WARM AIR TRAPS A
LAYER OF COOL AIR, AND WITH IT
POLLUTION, CLOSE TO THE
GROUND

SPECIFIC HEAT

THE AMOUNT OF HEAT THAT IS
NEEDED TO RAISE THE
TEMPERATURE OF 1 KG OF SOME
MATERIAL 1 DEGREE C