

Conduction

Transfer of heat by direct contact between particles

A metal spoon gets hot in a pot of boiling water

An egg on a frying pan sizzles and cooks

An ice cube held in a hand begins to melt

A metal cup gets hot when boiling water is poured in it.

A cheek is burned by a hot curling iron

Convection

Transfer of heat in liquids and gasses through currents

Water in a heated pot begins to boil

A bird takes advantage of rising warm air by catching an up draft

Cool air sinks to the ground on a warm night

A swimmer is caught in a current of cold water and is pulled under

Air is warmer near the ceiling than the floor

Radiation

Transfer of heat by electromagnetic waves

Toes are warmed in front of a space heater

A marshmallow turns brown when held over hot coals

The sun melts the ice formed on a frosty lawn

A sunbather gets a nasty sunburn after laying out for too long

Slices of bread turn brown in a toaster