

## 10. Energy Transfer Sort

Cut out the following statements and sort them under these headings: **Conduction, Convection or Radiation** depending on which type of energy transfer the statement is describing.

A metal spoon gets hot in a pot of boiling water.

An egg on a frying pan sizzles and cooks.

Slices of bread turn brown in a toaster.

An ice cube held in a hand begins to melt.

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

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

Air is warmer near the ceiling than the floor.

The sun melts the ice formed on a frosty lawn.

A cheek is burned by a hot curling iron.

Toes are warmed in front of a space heater.

A bird takes advantage of rising warm air by catching an updraft.

A marshmallow turns brown when held over hot coals.

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

Water in a heated pot begins to boil.

Cool air sinks to the ground on a warm night.