

Subject Teacher. Mr Oyerinde

Topic. Thermal Energy

Subtopic Convection and Radiation

Convection is the transfer of heat from one point to another through a liquid. When a liquid, e.g. water, is heated, particles at the bottom of the liquid receive heat from the flame. The molecules at the bottom of the liquid become hot and lighter, rise to the top, carrying heat with them. This is repeated until all the molecules have boiled. This process is called convection.

Radiation is the process by which heat is transferred from one point to another without passing through a material medium. Heat from the sun reaches the earth by radiation. There is no material medium between the source of heat (sun) and the receiver (earth).

Radiation helps a person to warm himself by the side of a fire during cold seasons. Radiation also helps us dry our clothes.