

## RADIATION and HEAT TRANSFER in the ATMOSPHERE

WATCH THE VIDEO! <https://youtu.be/95ofx9p7lyl>

The Earth and its atmosphere are warmed by the  from the sun.

HEAT is energy from the sun!

**Three ways heat is transferred through our atmosphere:**

The transfer of energy as electromagnetic waves	The transfer of energy by direct contact	The transfer of energy by circulation or movement of a liquid or gas

Thermal energy is always transferred from  to cold areas.

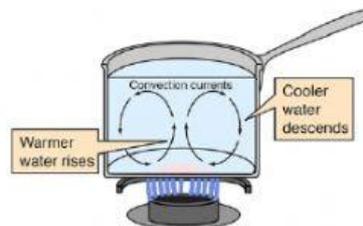
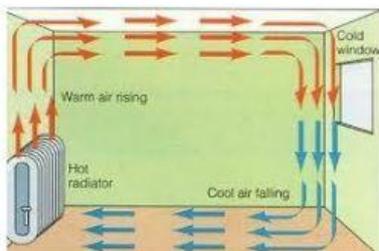
Most thermal energy in the atmosphere is transferred by

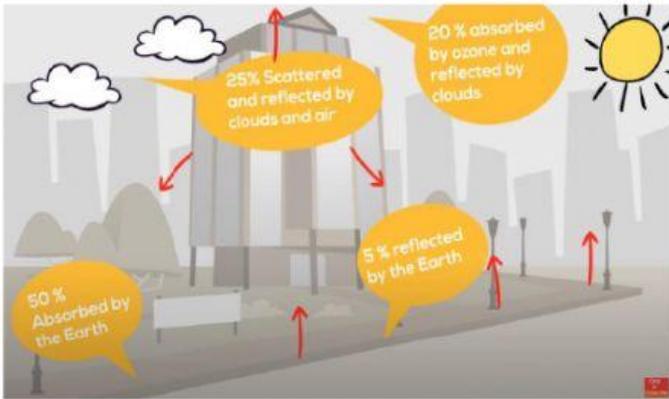
When air is heated it becomes  dense and rises.

Cool air is denser, so it

The cool air is eventually heated by the Earth's surface and begins to rise again.

This is called a





All of this working together the **radiation**, the **conduction**, the **convection** and then the Sun being either reflected, scattered or absorbed causes

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