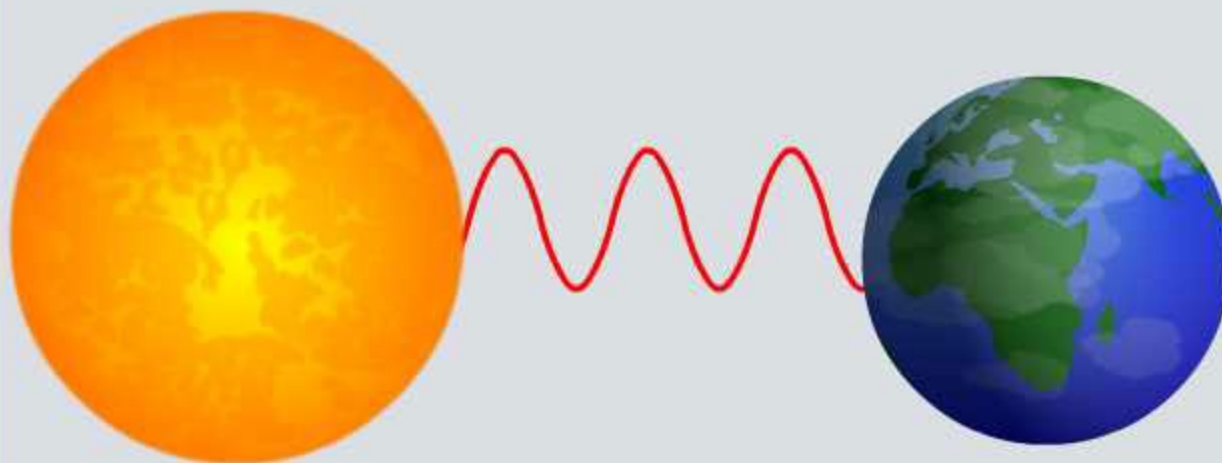


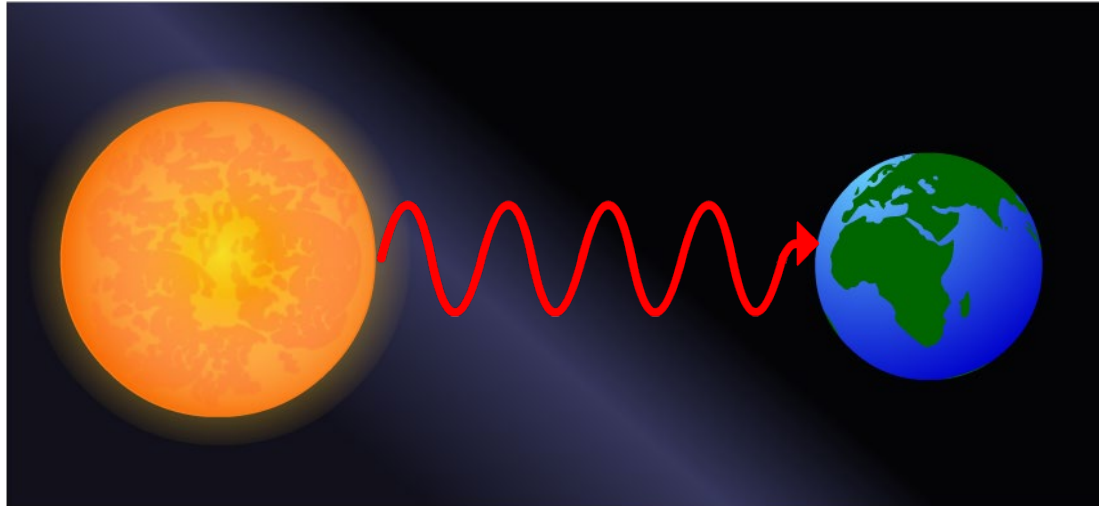
# Radiation



# What is radiation?

We know that conduction mainly takes place in solids, and convection takes place in liquids and gases.

How does the Earth receive heat energy from the Sun through the empty vacuum of space?



There is a third kind of heat transfer, which is called **radiation**, or 'infrared radiation'.

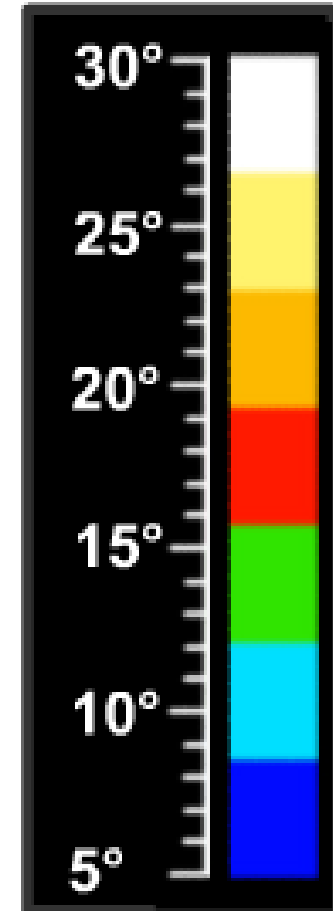


# Seeing infrared radiation

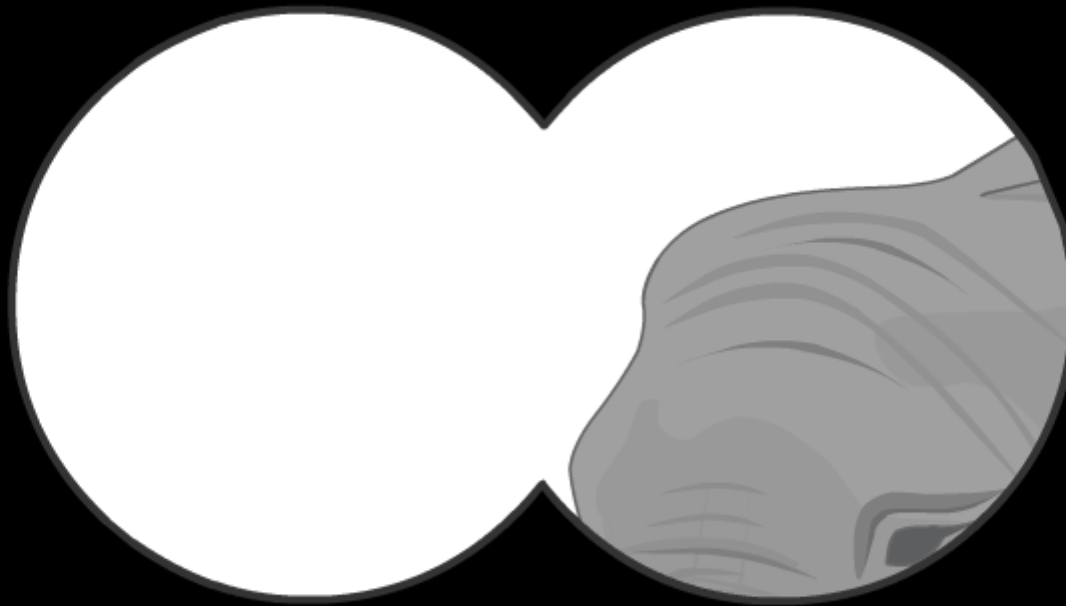
The police and fire fighters use infrared cameras to find people in the dark.

Infrared has no color, but a computer can put a false color on the camera image so we can 'see' the object.

The colors are put on a scale that corresponds to temperature. White, yellow and red usually represent the warmest areas; green, blue and black usually represent the coolest.



Look through the infrared goggles.



IR



VL

