







The Sun's rays hit the atmosphere and some of them pass through and that helps to heat up the planet's surface.

Every day, vast amounts of heat travel across space from the Sun to planet Earth

This diagram shows the Sun and the Earth in space

Planet Earth is protected by this thin blue line which represents the Planet's atmosphere.

Some of the heat is reflected from the planet's surface back up towards the atmosphere and is able to pass out into space.

Burning fossil fuels creates, the greenhouse effect. A layer of greenhouse gases are built up in the atmosphere which creates a kind of greenhouse for our planet.

The Sun's energy still passes through space to reach the Earth's atmosphere. Some of the harmful rays are taken out and some of the rays are reflected back into space but because of the layer of greenhouse gases, some of the rays are trapped. Some of that energy bounces back towards the Earth's surface and that means that the planet gradually starts to warm up