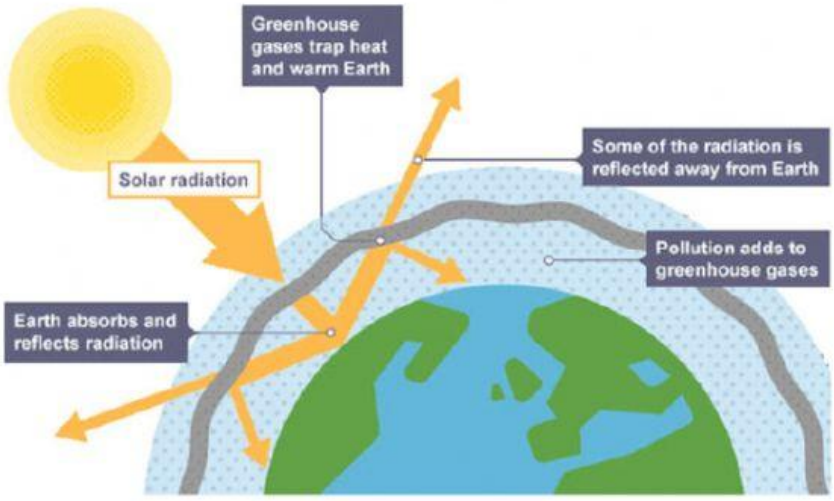
Climate change

<u>Fill in the gaps these words:</u> greenhouse effect, agriculture, waste, burning fossil fuels, volcanic effect, deforestation.

Evidence has shown that Earth's temperature is rising due to an increase in greenhouse gases. This has created and will continue to create, a number of negative effects.

A natural function of the Earth's atmosphere is to keep in some of the heat that is lost from the Earth. This is known as the _____:

- the atmosphere allows the heat from the Sun to pass through to heat the Earth's surface.
- the Earth's surface then gives off heat
- this heat is trapped by greenhouse gases (eg methane, carbon dioxide and nitrous oxide), which radiate the heat back towards Earth.
- this process heats up the Earth.



Some human activities increase the greenhouse gases in the atmosphere:

1) _____, eg coal, gas and oil - these release carbon dioxide into the atmosphere.
2) _____ - trees absorb carbon dioxide during photosynthesis. If they are cut down, there will be higher amounts of carbon dioxide in the atmosphere.
3) bumping _____ in landfill - when the waste decomposes it produces methane.
4) _____ - agricultural practices lead to the release of nitrogen oxides into the atmosphere.

There are also natural factors which contribute to increased global warming:

- _____ - during a volcanic eruption carbon dioxide is released into the atmosphere.
- **solar output** - there can be fluctuations in the amount of radiation from the sun. If there is high amount emitted there will be an increase in Earth's temperatures.

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