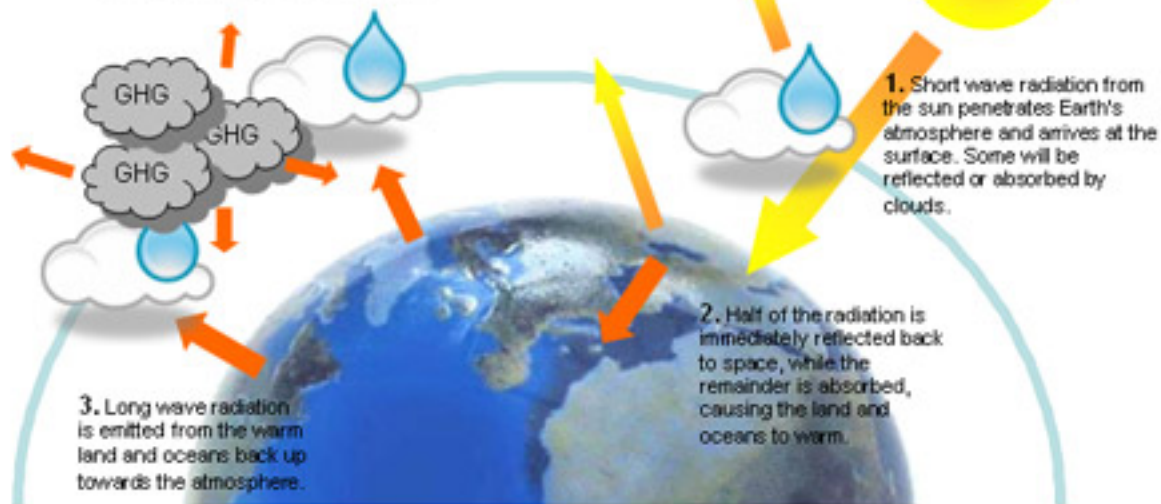


4. A proportion of the long wave radiation gets trapped in the atmosphere by greenhouse gases causing a warming of Earth's climate.



1. Short wave radiation from the sun penetrates Earth's atmosphere and arrives at the surface. Some will be reflected or absorbed by clouds.

2. Half of the radiation is immediately reflected back to space, while the remainder is absorbed, causing the land and oceans to warm.

3. Long wave radiation is emitted from the warm land and oceans back up towards the atmosphere.