

Impact: This excessive noise can interfere with animal's communication. It can harm animals that rely on sound for navigation or hunting and can also cause hearing problems and hypertension.



Water pollution: Toxins from human, industries are introduced into our surface water through air or erosion.









Impact: water containing plastics pathogens can cause disease like diarrhoea and cholera when consumed by human or animals.



MY PLEDGE TO REDUCE CARBON FOOTPRINT I PLEDGE TO :

- Sort and recycle waste
- Use reusable water bottle
- Avoid wasting water
- Try not to waste paper
- Use eco-friendly packaging
- Walk or cycle more
- Share and re-using things
- Not wasting food
- Switch off the lights in empty rooms

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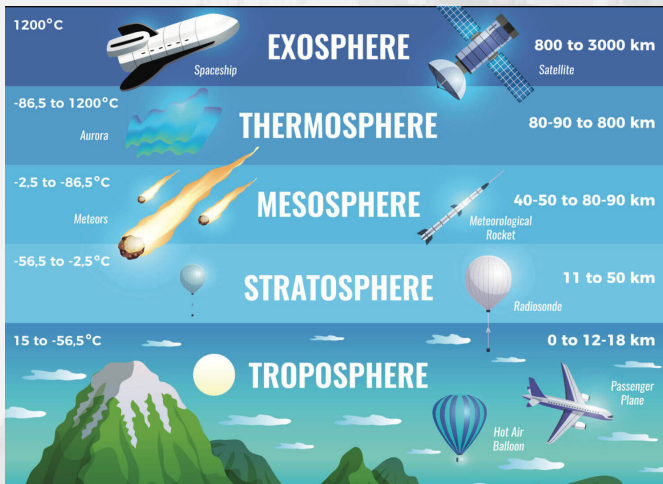
KWAZULU-NATAL PROVINCE

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**OUR ENVIRONMENT
OUR EARTH**

Inspiring New Hope



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Knowing and understanding layers of the Earth/atmosphere.

Troposphere: the first bottom layer of the earth where people, animals, plants live. It consists of gases (air) we breathe for life. It is warmer than the top because the air is heated by surface of the earth, which absorbs the sun's energy.

Stratosphere: comes after the troposphere this is where the ozone (gas) is found and where the aeroplane would fly. Ozone protects life on Earth from the Sun's ultraviolet (UV) Radiation.

Mesosphere: it is the coldest and comes after stratosphere (remember the saying the "higher you go the colder it becomes").

Thermosphere: the confuse atmosphere. Here temperatures are very high, high energy and UV rays are absorbed in this layer. However it would be freezing cold because the air is very thin.

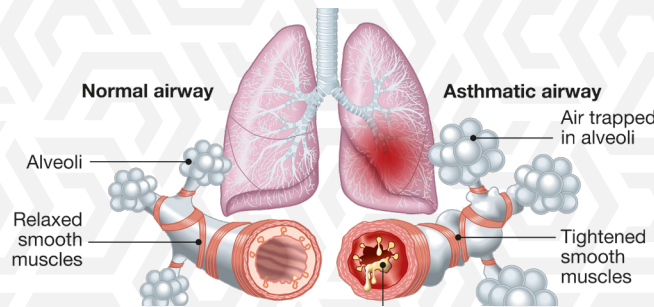
Exosphere: it is the uppermost as it gradually fades into vacuum of space. The air is extremely thin - it is almost the same as airless void of outer space.

THE HUMAN ACTIVITIES THAT CONTRIBUTE TO OZONE DEPLETION ARE:

Air pollution: production and import of ozone depleting substance chemicals released into the air through harmful gases, burning of fossils of fuel lead to increase carbon dioxide.



Impact: air pollution causes many serious diseases in human and animals e.g. asthma and lung cancer. It also contributes to global warming resulting to climate change or disasters.



before and after (lung cancer)

Land pollution: Waste materials produced by humans are left to accumulate on earth surface or illegal disposed. Chemicals such as pesticides, fertilizers are absorbed into soil.



Impact: Ingestion of waste can injure or poison animals. The effects of soil land pollution cause birth defects, skin diseases and unproductive soil. The effects of land pollution are very hazardous and can lead to the loss of ecosystems. Chemicals can enter the soil and be absorbed by plants or leech into water supply. When land is polluted, it directly or indirectly affects the climate change.



Noise pollution: Humans produce excessive amounts of loud noise, including industrial, vehicle sources.

