

## Earth Science Power Point Notes (part 1)

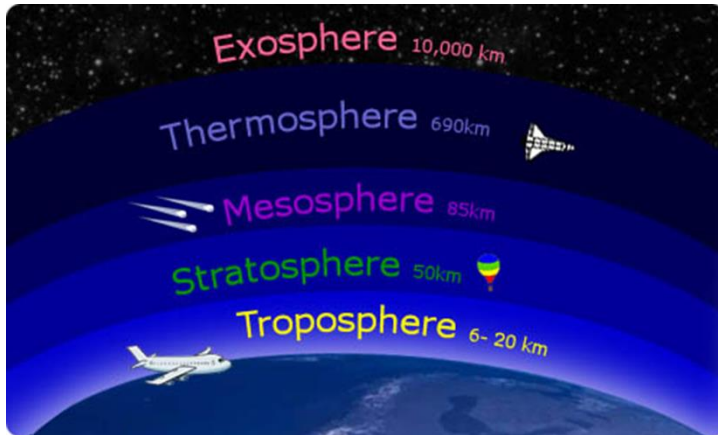
Biosphere -The Earth system that contains all living things.

Atmosphere- A mixture of gases that forms a layer around the Earth

It traps thermal energy (heat energy) from the sun to keep the Earth warm.

The atmosphere contains 78% nitrogen and 21% oxygen.

1% is mainly carbon dioxide, methane, and water vapor.



Troposphere- the bottom layer of the atmosphere; Gases flow and swirl, causing weather.

The temperature decreases as you move upward from the Earth's surface.

In the Stratosphere, the layer of ozone (a form of oxygen) protects Earth's surface from harmful radiation from the sun.

Beyond the Exosphere is outer space.

Hydrosphere- The system that contains all of Earth's water.

The hydrosphere contains more than 1.3 billion cubic kilometers of water.

The largest reservoir on Earth is the world ocean. It has 97% of the Earth's water.

Less than 1% of freshwater is easily accessible on Earth's surface.

Ice, lakes, and rivers hold about 80% of Earth's freshwater. The remaining 20% is underground. Lakes and rivers get their water from rain and snow.

Groundwater is water that is stored in cracks and pores beneath Earth's surface.

The cryosphere contains –

- the world's frozen freshwater.
- 79% of the planet's freshwater.
- snow, glaciers, and icebergs