

QW Chapter-1 (Earth as a ~~planet~~ planet)

Exercises:

I) Ans Answer the following questions briefly:

1) Why does the Earth have optimum temperature conditions?

Ans- The earth's distance is about 150 million km from the sun, which is neither too far nor too near. Due to an optimum distance ^{from the sun}, the earth also has an optimum temperature conditions.

2) Mention any three unique features of the earth?

Ans- The three unique features of the earth -

- i) The average distance of earth is about 150 km which is an optimum distance from the sun.
- ii) Atmosphere acts as a protective blanket
- iii) Earth has an atmosphere which is rich in oxygen (about 21%) and nitrogen (about 78%)

3) State how atmosphere around the Earth is different from other planets?

Ans- The earth is unique than other planets because it has a atmosphere rich in O_2 (21%), N_2 (78%) and CO_2 . No other planets contains oxygen. Due to the absence of oxygen life is not possible.

4. State the significance of the atmosphere?

- i) Atmosphere consists of oxygen, nitrogen, carbon dioxide
- ii) It acts as a protective blanket around the earth
- iii) It also absorbs the harmful ultraviolet rays.

5. Describe the role of water in making the Earth a unique planet.

- i) Earth is the unique planet with abundance of water.
- ii) The layer of the water on the earth's ^{surface} is called hydrosphere.
- iii) The Earth is also called the blue planet.

20/4/22

6) State the importance of lithosphere?

Ans The importance of lithosphere:-

- i) The lithosphere provides the valuable soil.
- ii) The lithosphere is also the source of all the mineral resources.

7) Name any three ^{factors} which have made life possible on the Earth.

Ans- The Factors which have made life possible on Earth are:-

- i) The presence of atmosphere which is rich in O_2 , CO_2 and N_2
- ii) Abundance of water availability
- iii) Biosphere which provides an habitable planet for all life forms.

8) Why is the shape of Earth called an Oblate Spheroid?

Ans- The Earth is flattened at the poles and bulges at the Equator - consequently this unusual shape has been more aptly describe as an oblate spheroid.

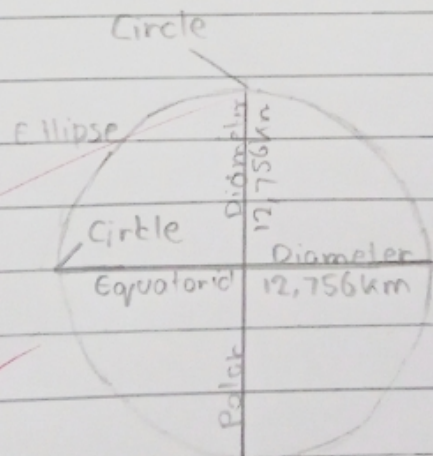
9) State any three evidences to prove the spherical shape of the earth?

Ans- The three evidences to prove the spherical shape of the earth -

i) Sunrise and Sunset

ii) Effect of Gravity

iii) Circumnavigation



Pranav
21/4/22