

GRADE 10

GEOGRAPHY

LESSON 1

THE
COMPOSITION
OF THE
EARTH

ANSWER
SCRIPT

THE COMPOSITION OF THE EARTH

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- 1) Soil
- 2) 80km
- 3) Surface runoff
- 4) Stratosphere
- 5) 510
- 6) Water pollution
- 7) 6.4⁰C
- 8) Water cycle
- 9) Nitrogen
- 10) 79%
- 11) Correct
- 12) Wrong
- 13) Correct
- 14) Wrong
- 15) Correct
- 16) – to obtain mineral resources
 - to build settlements
 - for human activities
 - to utilize resources
 - to fulfill human needs
- 17) * The occurrence of land degradation
 - * Intensification of soil erosion
 - * Changes seen in the surface landscape
 - * Changes in the ground water level
 - * Damages to the certain layers of the lithosphere

18) – Provide oxygen for respiration

- Contribution towards the photosynthesis
- For the existence of living beings and plants
- To maintain the environmental balance
- For precipitation

19) * Harmful smoke from industries

- * Use of pesticides and weedicides
- * Set fire to forests
- * Due to transportation
- * Use of polythene

20) – Changes in the composition of the atmosphere

- Spread of diseases
- Occurrence of acid rain
- Destruction to agricultural fields

21) * For transportation

- * For daily activities of human beings
- * For industries
- * For agriculture
- * To generate hydroelectricity

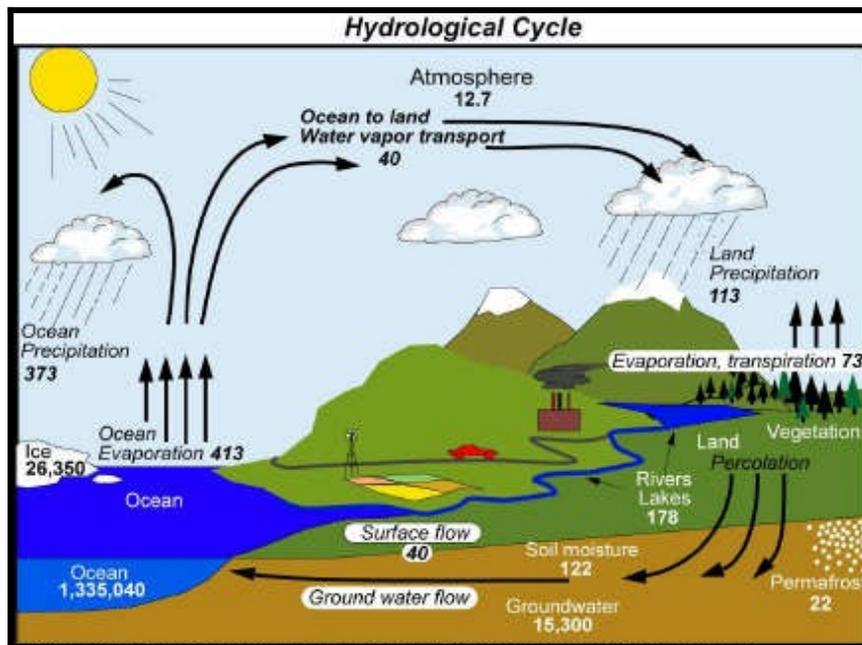
22) - Addition and release of various chemicals and carbonic matter into the water used and released by industries.

-The mixing of fertilizers and chemicals added to soil in agricultural activities with the water.

-Addition of bacteria to ground water and surface water on the land as a result of the irregular disposal of waste matter and sewage.

- 23) * Evaporation- Changes the liquid form of the water bodies in to gaseous form
- * Transpiration- Changes the liquid form of the plants in to gaseous form
 - * Condensation- Addition of water vapour into high altitude and form clouds
 - * Precipitation – Falling down of water droplets in clouds
 - * Surface runoff – Flowing of water through the surface of the earth

24) Water cycle



25) In the lithosphere – The layer in which the root system of plants spreads and where soil organisms live

In the hydrosphere - The ocean bed in which sufficient amount of sunlight penetrates for the process of photosynthesis.

In the atmosphere - The limits where birds fly (Approximately about 5000 m in the upper sky)

26) * Destruction to forests

- * Destruction of the bio-systems
- * Erosion of the surface soil and infertility of soil.