



Global Warming

Q.No.1. The average surface temperature of the earth has been increased due to the increasing concentration of greenhouse gases produced by human activities like cutting of trees and burning of fossil fuels.

Q.No.2: The Himalayan region has glacial coverage of 33,000sq. km. It provides around 8.6 million cubic metres of water annually. Glaciers of this region mother several streams and rivers in sub-continent. That is why it is called water tower of Asia.

Q.No.3: The main sources of water in Kashmir valley are flood plain lakes, high altitude Himalayan lakes, Snow fed streams, springs, reservoirs etc.

Q.No.4: The whole life process of humans, plants and animals depends on water. We can live without food for some days but without water we can't live more than a couple of days. This is why water is the most precious natural resource.

Q.No.5: As cold as Kashmir region, even, has also been affected by global warming. In Suru basin alone, it has lost 16% of glaciers in the last 40 years and about 18% of Kolhai glacier. Due to global warming the occurrence of high velocity storms has increased in the valley. It has also caused devastation in crops. Thus, global warming has affected the very livelihood of many people in this region.

Q.No.6: As we all know that glaciers are main source of fresh water. Due to global warming, these glaciers are melting at an alarming rate which directly influence the very lives of people. So, we can say that global warming is the largest threat to humanity.

Q.No.7: Global warming is the cause of decrease in snowfall in Kashmir.

Q.No.8: Same as **Q.No.5.**

Q.No.9: In J&K, the Energy and Resources Institute (TERI) has selected the Kolhai glacier as an index glacier for assessing the water resource availability to the communities in the valley. With itself the scientists will conduct studies on the glacier which will last for five years. After this period, TERI will recommend measures to bring down the glacier's recession rate.

Q.No.10: As individuals we must make efforts to minimize the air pollution, which results in the emission of greenhouse gases. These gases are one of the major causes of global warming. We must encourage afforestation as trees do a lot to purify air.

Language Work

1. Fill in the blanks with the appropriate compound words or phrases given below.

Answers:

1. (a) green house (b) greenhouse

2. (b) white-collar (b) white collar



3. (a) white house (b) White House
4. (a) black box (b) blackbox
5. (a) strong hold (b) stronghold

2. Use the following Phrases or expressions from the lesson in your own sentences:

A. In progress: The work on new project is now in progress.

B. Uncontrollable rate: The pandemic covid19 is increasing at an uncontrollable rate.

C. Across the globe: The recession in economy due to this pandemic disease is felt across the globe.

D. In the backdrop of: Preventive measures have been taken by the government in the backdrop of pandemic covid19.

E. At an alarming rate: The population of the US is dying at an alarming rate.

F. An irritating change: The lockdown has brought an irritating change among people at the global level.

G. Bereft of: In our country large number of children are bereft of education due to poverty.

H. Dried up: Number of streams dried up during the summer.

I. At the global level: Environmental awareness programs should be held at the global level.

J. Heavy burden: For a mother it is heavy burden to look after five children.

3. Words having the same or nearly the same meaning are called synonyms. In each of the following sentences, a word has been italicized. Choose the synonym of the word from the four options given.

Ans.

1. Sporadic = Irregular
2. Congenial = Suited
3. Monotonous = Repetitive
4. Wharf = Harbour

Grammar Work

In the following sentences, use either infinitive or gerund in order to make them correct.

1. Laughing
2. Being
3. To go
4. Being
5. Having
6. Listening
7. To read
8. To cheat
9. Fishing
10. To make