

Prepared by:
 Lamyea Alam
 Assistant Teacher (Science)
 Cosmo School
 Class-5, Subject-Science
 Class date-26/09/2020

Chapter-12

Chapter-12 (Climate Change)

(Revision Sheet)

1. Fill in the blanks with appropriate words:

- a. The average weather pattern is known as _____.
- b. A significant and persistent change in the climate and its variability is called _____.
- c. The climate of an area does not change _____.
- d. Global temperature _____ every year.
- e. Average global temperature is increasing _____.
- f. _____ is changing gradually due to global warming.
- g. A _____ is made up of glass.
- h. Green house helps to keep plants warm and alive in _____ cold weather.
- i. An _____ is the layers of air that surround earth's surface.
- j. Water vapour and carbon di oxide act as the _____ of a green house.
- k. Water vapour, carbon di-oxide are _____.
- l. Burning fossil fuel increase the amount of _____ in the atmosphere.
- m. Deforestation is also responsible for _____.
- n. Climate change will increase _____ and storm surge.
- o. The measure to survive in the changing climate is called climate change _____.

Answer:

- a)Climate b)Climate change c)Suddenly d)Fluctuates e)Gradually f)Climate
 g)Greenhouse h)extreme i)atmosphere j)glass roof k)greenhouse gases
 l)CO₂ m)global warming n)tropical cyclone o)adaptation

2. Matching :

Column-A	Column-B
a) Global warming	i) the layers of air that surrounds earth's surface.
b) Greenhouse is	ii) increase different natural disasters.
c) Atmosphere is	iii) by the gases in the atmosphere and further warming the earth.
d) Greenhouse effect is the trapping of the Sun's heat	iv) one of the most disaster-prone countries in the world.

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e) Greenhouse gases	v) melting of ice and thermal expansion of sea water.
f) Bangladesh is	vi) trap the sun's heat in the atmosphere.
g) The sea level rises due to	vii) made up of glass.
h) We can take two strategies for	viii) can lead to changes in rainfall patterns.
i) Climate change leads to	ix) confronting the risk of climate change.

Answer:

- a) Global warming can lead to changes in rainfall patterns.
- b) Greenhouse is made up of glass.
- c) Atmosphere is the layers of air that surrounds earth's surface.
- d) Greenhouse effect is the trapping of the Sun's heat by the gases in the atmosphere and further warming the earth.
- e) Greenhouse gases trap the sun's heat in the atmosphere.
- f) Bangladesh is one of the most disaster-prone countries in the world.
- g) An atmosphere is the layers of air that surround Earth's surface.
- h) The sea level rises due to melting of ice and thermal expansion of sea water.
- i) We can take two strategies for confronting the risk of climate change.
- j) Climate change leads to increase different natural disasters.

Question/Answer

1. What is global warming?

Answer: Gradual increase of the earth's average temperature is known as global warming.

2. What is the main cause of global warming?

Answer: Increased carbon dioxide emission is the main cause of global warming.

3. Why the inside of greenhouse remains warm? Explain.

Answer: Greenhouse is built in the colder countries to grow vegetables. It is a glass structure which traps the sun's heat. The heat of the sunlight can enter inside the greenhouse, but the heat cannot come out of it. As a result, the inside of the greenhouse warms up. Hence, the inside of a greenhouse always remains warm.

4. Write a sentence on how the climate is changing due to global warming.

Answer: Due to global warming the sea level rises and the glacial over Himalayan mountain range and polar region are melting that is the main reason of climate change.

5. What are the greenhouse gases?

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Answer: **Name of greenhouse gases:**

1. Water vapor (H_2O)
2. Carbon dioxide (CO_2)
3. Methane (CH_4)
4. Nitrous oxide (N_2O)
5. Chlorofluorocarbons (CFC)

6. What is called climate change?

Answer: A significant and persistent change in the climate and its variability is called climate change.

7. Write down two names of fossil fuel.

Answer: Two names of fossil fuels are:

- i) Coal
- ii) oil

8. Write 4 sentences on how we can mitigate climate change?

Answer: The action that will limit the magnitude and rate of long-term climate change.

Ways of climate change mitigation:

- a. Decreasing the use of fossil fuel such as coal, oil, and natural gas.
- b. Increasing the use of renewable energy such as solar and wind energy can reduce the emission of carbon dioxide.
- c. Reduce carbon dioxide in the atmosphere by planting trees.
- d. We can reduce energy consumption in our daily life.

9. Write down the 5 ways of climate change adaptation.

The followings are examples of adaptation activities:

- a. Developing the infrastructure such as houses, schools and factories
- b. Constructing the flood and cyclone shelters.
- c. Creating costal afforestation.
- d. Innovating salt tolerant crops.
- e. Changing our life style.

10. Write two strategies of comforting the risk of climate change.

Answer: i) Climate Change mitigation.

- ii) Climate Change Adaptation