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Class date-27/09/2020

 **Cosmo School**
Chapter-12 (Climate Change)
(Revision Sheet-2)

11. Give an example of the climate change in Bangladesh.

Answer: An example of climate change in Bangladesh is occurring heavier and more erratic rainfall which is responsible for flood.

12. What are the effects of global warming on the environment?

Answer: Tornado, cyclone, rise in sea level, drought, flood and glacial retreat on Himalayan mountain range and in polar region are the effects of global warming on the environment.

13. How do climate change mitigation and climate change adaptation related to each other?

Answer: Climate change mitigation and climate change adaptation are interrelated issues. These two strategies help us to confront the risk of climate change. Climate change will worsen many natural hazards. We can reduce the risk of climate change by reducing the emission of carbon dioxide in the earth's atmosphere. Moreover, we can confront the harmful effects of climate change by adapting to the changing climate.

14. How can we mitigate climate change?

Answer: The main cause of climate change is the rise of carbon dioxide in the earth's atmosphere. Therefore, we can mitigate climate change by reducing the emission of carbon dioxide. The following things can be done to minimize the emission of carbon dioxide:

- a) We should the use of fossil fuels such as coal, oil, natural gas etc.
- b) We should increase the use of renewable energy, such as solar energy wind energy etc.
- c) We should plant more trees
- d) We should consume the use of energy in our daily life.

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15. Why does the atmosphere of the earth work as the glass of greenhouse?

Answer: The earth is surrounded by an atmosphere composed of many gases, such as CO_2 , CH_4 , water vapour etc. These gases create a layer that works as the glass of a greenhouse. The sun shines through the layers of air and warms up the earth during day time. At night when the earth surface releases the heat back into the air, some of the heat gets trapped by the gases in the atmosphere. So, the earth remains warm even at night. And thus, the atmosphere of the earth works as the glass of greenhouse.

16. As the average temperature of the earth is increasing, how will it affect our life?

Answer: The gradual increase in the earth's temperature is called global warming. As a result of global warming, sea level is rising. If the sea level continues to rise, the coastal low lands of Bangladesh will submerge one day. As a result, many of us die and lose their home. In this way our life will be miserable.