

Date Planned : __ / __ / __	Daily Tutorial Sheet-3	Expected Duration : 90 Min
Actual Date of Attempt : __ / __ / __	Level-1	Exact Duration : _____

- *21. Which of the following statements regarding CO_2 true ?
- (A) It is confined to troposphere and stratosphere
(B) It is confined to troposphere only
(C) Normally, it forms about 0.03 percent by volume of the atmosphere
(D) Normally, it forms about 3 percent by volume of the atmosphere
22. With the increased use to fossil fuels, a large amount of CO_2 gets released into the atmosphere. Which of the following statements are true ?
- (A) Excess CO_2 in the air is removed by green plants
(B) Excess O_2 in the air is removed by green plants
(C) Deforestation and burning of fossil fuel decreases the CO_2 level
(D) Afforestation increases the CO_2 level
- *23. Which of the following gases are responsible for global warming ?
- (A) CO_2 (B) O_3
(C) methane (D) Chlorofluorocarbon compounds (CFCs)
24. Which of the following statements is false ?
- (A) About 25% of the solar energy reaching the earth is absorbed by the earth's surface
(B) The greenhouse gases trap some of the heat that is radiated back to the atmosphere
(C) Natural greenhouse effect is essential for life because it maintains the temperature and makes earth perfect for life
(D) If the amount of CO_2 present in the atmosphere crosses the delicate proportion of 0.03 percent, the natural greenhouse balance may get disturbed
25. Consider the following statements :
- I. Glass is transparent to solar radiations
II. Glass is opaque to infrared radiations
III. Warm soil and plants emit solar radiation
IV. Warm soil & plants emit infrared radiations
- Which of the above statements are true ?
- (A) I and III (B) II and IV (C) I, II and IV (D) I, II and III
- *26. Which of the following are greenhouse gases ?
- (A) CO (B) N_2O (C) SO_2 (D) O_3
27. Methane :
- I. is produced naturally when vegetation is burnt, digested or rotted in the absence of oxygen
II. is released from rotting garbage dumps
III. is released in paddy field & coal mines
IV. is released by fossil fuels
- (A) only I (B) I, II and III (C) I, II, III and IV (D) I and IV

- 28.** Chlorofluorocarbons (CFCs) :
- I.** are naturally occurring compounds
 - II.** are man-made industrial chemicals used in air conditioning
 - III.** are greenhouse gases & cause global warming
 - IV.** damage the ozone layer
- (A)** I and III **(B)** II and III **(C)** I, III and IV **(D)** II, III and IV
- 29.** Nitrous oxide :
- I.** occurs naturally in the environment
 - II.** is produced when fossil fuels are burnt
 - III.** quantity has increased due to the use of chemical fertilizers
- (A)** I and III **(B)** I and II **(C)** II and III **(D)** I, II and III
- *30.** What can be the consequences of global warming ?
- (A)** melting of polar ice caps and flooding of low lying areas all over the earth
 - (B)** occurrence of earthquakes
 - (C)** meteors striking the earth
 - (D)** increase in the incidence of infectious diseases such as dengue, malaria, yellow fever, sleeping sickness etc.