

## Composition and Structure of Atmosphere

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### I. Choose the correct answer

Question 1.

Atmosphere contains

- (a) oxygen
- (b) nitrogen
- (c) dust particles
- (d) all of them

▼ [Answer](#)

Answer: (d) all of them

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Question 2.

Which gas is essential for breathing?

- (a) nitrogen
- (b) oxygen
- (c) carbon dioxide
- (d) none of these

▼ [Answer](#)

Answer: (b) oxygen

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Question 3.

What is the percentage of air in the atmosphere?

- (a) 32
- (b) 99
- (c) 0.1
- (d) 21

▼ [Answer](#)

Answer: (b) 99

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Question 4.

At what height will oxygen be almost in negligible quantity?

- (a) 120 km.
- (b) 90 km.
- (c) 18 km.
- (d) 60 km.

▼ [Answer](#)

Answer: (a) 120 km.

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Question 5.

What is the % of nitrogen in the atmosphere?

- (a) 20.95%
- (b) 78.08%
- (c) 20%
- (d) 80%

▼ [Answer](#)

Answer: (b) 78.08%.

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Question 6.

Which gas is present in large amount in the atmosphere?

- (a) oxygen
- (b) hydrogen
- (c) nitrogen
- (d) carbon dioxide

▼ [Answer](#)

Answer: (c) nitrogen.

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Question 7.

Name the gas which is useful for plants

- (a) oxygen
- (b) carbon dioxide
- (c) argon
- (d) hydrogen

▼ [Answer](#)

Answer: (b) carbon dioxide.

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Question 8.

Which gas is found as a trace in the atmosphere?

- (a) oxygen
- (b) nitrogen
- (c) carbon dioxide
- (d) xenon

▼ [Answer](#)

Answer: (d) xenon.

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Question 9.

What percentage of carbon dioxide is found in air?

- (a) 0.036%
- (b) 0.93%
- (c) 0.002%
- (d) 0,3%



▼ [Answer](#)

Answer: (a) 0.036%.

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Question 10.

What percentage of oxygen is found in the air?

- (a) 20.95
- (b) 21.95
- (c) 78.08
- (d) 80.08

▼ [Answer](#)

Answer: (a) 20.95.

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Question 11.

Which gas acts as a filter and protects us from the ultra violet rays?

- (a) oxygen
- (b) nitrogen
- (c) ozone
- (d) carbon dioxide

▼ [Answer](#)

Answer: (c) ozone.

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Question 12.

Which layer of the atmosphere is useful for various biological activities?

- (a) stratosphere
- (b) troposphere
- (c) ionosphere
- (d) none of these

▼ [Answer](#)

Answer: (b) troposphere.

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Question 13.

Which one is the variable gas in the atmosphere?

- (a) carbon dioxide
- (b) water vapour
- (c) dust particles
- (d) smoke

▼ [Answer](#)

Answer: (b) water vapour.

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Question 14.

Which layer of the atmosphere is free from water vapours and clouds?



- (a) troposphere
- (b) stratosphere
- (c) mesosphere
- (d) exosphere

▼ [Answer](#)

Answer: (b) stratosphere.

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Question 15.

The zone separating troposphere from stratosphere is known as

- (a) tropopause
- (b) stratopause
- (c) mesopause
- (d) none of these

▼ [Answer](#)

Answer: (a) tropopause.

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Question 16.

Upto what height does the stratosphere extend?

- (a) 60 km.
- (b) 80 km.
- (c) 50 km.
- (d) 120 km.

▼ [Answer](#)

Answer: (c) 50 km.

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Question 17.

The mesosphere lies above the

- (a) troposphere
- (b) stratosphere
- (c) ionosphere
- (d) exosphere

▼ [Answer](#)

Answer: (b) stratosphere.

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Question 18.

The upper limit of mesosphere is known as

- (a) tropopause
- (b) mesopause
- (c) stratopause
- (d) exopause

▼ [Answer](#)



Answer: (b) mesopause.

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Question 19.

Ionosphere is located between

- (a) 80 and 400 km.
- (b) 80 and 500 km.
- (c) 40 and 400 km.
- (d) 40 and 200 km.

▼ [Answer](#)

Answer: (a) 80 and 400 km.

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Question 20.

Radio waves are transmitted from which layer?

- (a) mesosphere
- (b) exosphere
- (c) ionosphere
- (d) none of These

▼ [Answer](#)

Answer: (c) ionosphere.

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Question 21.

Chief elements of the atmosphere are

- (a) wind
- (b) temperature
- (c) pressure
- (d) all of them

▼ [Answer](#)

Answer: (d) all of them.

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Question 22.

Atmospheric elements are controlled by

- (a) latitude
- (b) altitude
- (c) land
- (d) all of them

▼ [Answer](#)

Answer: (d) all of them.

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## II. Fill up the blanks with suitable words

Question 1.

The ..... is essential for various organisms.



▼ [Answer](#)

Answer: air

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Question 2.

Atmosphere is a mixture of different ..... and it ..... the earth all round.

▼ [Answer](#)

Answer: gases, envelopes

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Question 3.

The air is ....., ..... and .....

▼ [Answer](#)

Answer: colourless, odourless, tasteless

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Question 4.

Carbon dioxide and water vapour are not found starting from ..... and above.

▼ [Answer](#)

Answer: 90 km.

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Question 5.

Carbon dioxide is largely responsible for the ..... effect.

▼ [Answer](#)

Answer: green house

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Question 6.

Ozone acts as a ..... and ..... the ..... rays.

▼ [Answer](#)

Answer: filter, absorbs, ultraviolet

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Question 7.

..... also decreases from the equator towards the poles.

▼ [Answer](#)

Answer: Water vapour

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Question 8.

Dust particles are concentrated in the ..... of the atmosphere.

▼ [Answer](#)

Answer: lower layer

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Question 9.

The column of atmosphere is divided into ..... different layers depending upon temperature conditions.

▼ [Answer](#)

Answer: five

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Question 10.

Radio waves are transmitted from the .....

▼ [Answer](#)

Answer: Ionosphere

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