

Chemistry Important MCQs

Class 10 Chapter 14

1. Dry air consists of ___ % Oxygen by volume.

A.78

B.21

C.4

D.0.05

ANSWER: B (21%)

2. The % of Hydrogen in dry air is ___.

A.0.00005

B.0.70

C.0.98

D.1.7

ANSWER: A (0.0005%)

3. The air may contain about ___% water vapours.

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A.7

B.9

C.4

D.2

ANSWER: C (4%)

4. The atmosphere is divided into __ layers.

A.4

B.14

C.43

D.2

ANSWER: A (4)

5. Which of the following is not a layer of the atmosphere?

A. Troposphere

B. Thermosphere

C. Stratosphere

D. Microsphere

ANSWER: D (Microsphere)

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6. Tropo means ____.

A. Turning

B. Moving

C. Running

D. None of them

ANSWER: A (Turning)

7. Troposphere extends to about __ above earth's surface.

A.17 km

B.90 km

C.45 km

D.12 km

ANSWER: D (12km)

8. Which of the following atmospheric layer is closest to the earth?

A. Mesosphere

B. Troposphere

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C. Ionosphere

D. Microsphere

ANSWER: B (Troposphere)

9. The temperature range in troposphere is from ___°C to ___°C.

A. 17 & -45

B. 14 & -55

C. 17 & -55

D. 14 & -45

ANSWER: C (17& -55)

10. The stratosphere outstretches from the top of the troposphere to about ___ km above the earth's surface.

A.90

B.50

C.55

D.65

ANSWER: B (50km)

11. Strato means ____.

- A. Layer or spread out
- B. Versatile
- C. Rotating
- D. None of them

ANSWER: A Layer or spread out

12. In stratosphere temperature ranges from ____ °C to ____ °C.

- A. -50 & 5
- B. -45 & -5
- C. -35 & -10
- D. -55 & -5

ANSWER: D (-55 & -5)

13. Stratosphere contains maximum amount of ____.

- A. Fluorine
- B. Ozone

C. Oxygen

D. Hydrogen

ANSWER: B (Ozone)

14. For each 1km increase in altitude the air gets about ____ °C cooler in troposphere.

A.7.2

B.6

C.6.5

D.2

ANSWER: C (6.5)

15. The mesosphere outstretches from the top of the stratosphere to about ____ km above the earth's surface.

A.80

B.70

C.54

D.30

ANSWER: A (80km)

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16. Which of the following is the middle layer of atmosphere?

- A. Exosphere
- B. Mesosphere**
- C. Ozonosphere
- D. Ionosphere

ANSWER: B (Mesosphere)

17. In outer mesosphere the temperature decreases to ___ °C.

- A. -90
- B. -91
- C. -103
- D. -93**

ANSWER: D (-93)

18. Which layer protects Earth from being hit by meteoroids?

- A. Exosphere**

- B. Mesosphere**
- C. Microsphere**
- D. Radiosphere**

ANSWER: B (Mesosphere)

19. Thermosphere is the ____ layer of atmosphere.

- A. Outermost**
- B. Innermost**
- C. Middle**
- D. None of them**

ANSWER: A (Outermost)

20. Temperature in the thermosphere increases to a maximum of ____ °C.

- A. 1800**
- B. 2000**
- C. 2200**
- D. 1500**

ANSWER: A (1800)

21. Thermosphere is further divided into ___ layers

A. 5

B. 2

C. 7

D. 9

ANSWER: B (2)

22. The lower layer of thermosphere is called ____.

A. Ozonosphere

B. Microsphere

C. Infraspere

D. Ionosphere

ANSWER: D (Ionosphere)

23. The outer layer of the thermosphere is called ____.

A. Ozonosphere

B. Exosphere

C. Ionosphere

D. Infraspere

ANSWER: B (Exosphere)

24. Those substances which disturb the balance of the environment are called _____.

A. Elements

B. Compounds

C. Pollutants

D. None of them

ANSWER: C (Pollutants)

25. Sulphur dioxide is readily absorbed in the _____ system.

A. Circular

B. Respiratory

C. Nervous

D. Muscular

ANSWER: B (Respiratory)

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26. Which of the following causes death if inhaled for a long time?

A. CO_2

B. O_2

C. CO

D. SO_2

ANSWER: C (CO)

27. Which of the following causes global warming?

A. O_2

B. CO_2

C. N_2

D. None of them

ANSWER: B (CO_2)

28. Which of the following is sparingly soluble in water?

A. NO

B. NO_2

C. O_2

D. C

ANSWER: A (NO)

29. NO_2 is a ____ gas.

A. Pink

B. Red

C. Yellow

D. Reddish brown

ANSWER: D (Reddish brown)

30. Which of the following gases are highly toxic gases?

A. Ne, Ar

B. H_2 , He

C. NO, NO_2

D. None of them

ANSWER: C (NO & NO_2)

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31. Which of the following is an excellent heat absorber?

- A. Oxygen
- B. Methane
- C. Nitrogen
- D. Sulphur

ANSWER: B (Methane)

32. Which of the following compounds is attacking the ozone?

- A. O₂
- B. SO₂
- C. CFCs
- D. None of them

ANSWER: C (CFCs)

33. Ozone is a ___ gas.

- A. Light blue
- B. Red
- C. Pink

D. Yellowish

ANSWER: A (Light blue)

34. Which of the following is used as a refrigerant in fridges and air conditioning units?

A. CFCS

B. Oxygen

C. Sulphurdioxide

D. CO₂

ANSWER: A (CFCS)

35. ___ is produced when electrical discharge pass through oxygen in the air.

A. Oxygen

B. Krypton

C. Xenon

D. Ozone

ANSWER: D (Ozone)

36. Which of the following causes Brain damage and forest decline?

- A. Lead compounds
- B. CFCs
- C. Ozone
- D. Nitrogen

ANSWER: A (Lead compounds)

37. _____ are constructed from glass or transparent polymer films.

- A. Castles
- B. Green-houses
- C. Factories
- D. Industries

ANSWER: B (Green houses)

38. The rise in the average temperature of the Earth's atmosphere due to different natural and human activities is called _____.

- A. Deforestation

- B. Global warming**
- C. Greenhouse gases**
- D. None of them**

ANSWER: B (Global warming)

39. ph of normal rain is ____

- A. 5.6**
- B. 6.5**
- C. 5.0**
- D. 4.3**

ANSWER: A (5.6)

40. Rain having pH less than 5.6 is called ____

- A. Defected rain**
- B. Acid rain**
- C. Sudden rain**
- D. Actual rain**

ANSWER: B (Acid rain)

41. Ozone is an ____ form of oxygen.

A. Different

B. Similar

C. Allotropic

D. Complicated

ANSWER: C (Allotropic)

42. Most of the UV rays coming from sun are filtered by ____.

A. Exosphere

B. Sun roofs

C. Co-factors

D. Ozone layer

ANSWER: D (Ozone layer)

43. The region in which the amount of ozone is reduced is called ____.

A. Hole

B. Ozone hole

C. Sphere

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D. Ozone infection

ANSWER: B (Ozone hole)

44. Which of the following is formed when chlorine reacts with ozone?

A. Chlorine monoxide

B. Chlorine trioxide

C. Chlorine dioxide

D. None of them

ANSWER: A (Chlorine monoxide)

45. Metals like Platinum, palladium and rhodium are used as ___ in the converter.

A. Enzymes

B. Reactors

C. Catalyst

D. None of them

ANSWER: C (Catalyst)
