



IITJEE Foundation Practice paper

AIR AROUND US

class-6th-Science Number of Questions: 26

For Answers and Solutions, Go to www.micromerits.com

1

After rain, the visibility of longer distances:

- Decreases Increases Remains same Can't say

2

The presence of air around us can be proved by

- Feeling it when it moves Seeing it Smelling it All the above

3

Which of the following gases is found in air?

- Oxygen Carbon dioxide Nitrogen All of these

4

Which of the following gases is consumed by plants and animals for respiration?

- Hydrogen Oxygen Nitrogen Carbon dioxide

5

Photosynthesis in plants is possible because of the:

- Oxygen in the air Carbon dioxide in the air Nitrogen in the air All the above

6

When a material burns, it

- Consumes oxygen and produces carbon dioxide
- Consumes oxygen and produces nitrogen
- Consumes nitrogen and produces carbon dioxide
- Consumes carbon dioxide and produces oxygen

7

The component of air which supports combustion is:

- Nitrogen Helium Carbon dioxide Oxygen

8

The major component of the air which does not support combustion is:

- Oxygen Argon Nitrogen All the above

9

The average composition of air by volume is:

- Nitrogen 87%, Oxygen 12%, Other gases 1%
- Nitrogen 78%, Oxygen 9%, Other gases 3%
- Nitrogen 78%, Oxygen 21%, Other gases 1%
- Nitrogen 70%, Oxygen 29%, Other gases 1%

10

When you burn charcoal in a closed room, you feel suffocated because of the:

- Oxygen in the air Nitrogen in the air Carbon dioxide in the air All the above

11

The major components of air are:

- Oxygen and helium Oxygen and Nitrogen Oxygen and carbon dioxide
- Nitrogen and carbon dioxide

12

A gas produced by burning of fuels is:

- Nitrogen Oxygen Carbon monoxide Carbon dioxide

13

Which of the following components of air is used on a large scale to

manufacture fertilizers?

- Nitrogen Oxygen Helium Carbon dioxide

14

Which of the following is not a property of air?

- Colourless Translucent Occupies space Exerts pressure

15

Which of the following do the aquatic animals use for their respiration?

- Dissolved nitrogen in water Dissolved carbon dioxide in water
 Dissolved oxygen in water All the above

16

The process by which oxygen reacts with the digested food to form carbon dioxide, water vapour and heat energy is called:

- Breathing Respiration Assimilation Combustion

17

Our earth is surrounded by air in the form of a thin layer. This thin layer is called:

- Ozone layer Biosphere Atmosphere Hydrosphere

18

Air becomes _____ as we go high up from the surface of earth.

- Heavier Thinner and thinner Broader and broader Visible

19

What is the importance of air for us?

- It helps in the movement of aeroplanes and parachutes
 It helps in the generation of electricity by windmills
 It helps in the dispersal of seeds and pollen of flowers All the above

20

Which of the following statements is not true?

- We cannot hear sounds in the absence of air
- Compressed air is used in tyres of vehicles
- 4/5th of air is oxygen
- Plants need carbon dioxide to live

21

Pick the incorrect statement:

- Air occupies space
- Air around us is called wind
- Air is present everywhere
- Air is a mixture of various gases, water vapour and dust particles

22

Pick the wrong statement from the following:

- Air can be displaced by water
- Winnowing is also possible in the absence of air
- Air is used in sailing of ships
- Wind energy is a renewable form of energy

23

About which property of wind does the wind vane tell us about?

- Pressure
- Direction
- Coldness
- Hotness

24

- 1) Take some water in a pan. Heat it slowly on a stove.
- 2) Well before the water begins to boil, look carefully at the inner surface of the vessel.
- 3) You will observe tiny bubbles of water visible coming out from the bottom of the pan.

What does the experiment prove to us?

- Air occupies space
- Air supports burning
- Air exerts pressure
- Air is dissolved in water

25

Air is not present at which of these places?

- Sea level
- Mountain
- Vacuum
- Atmosphere

26

Which of the following is formed when air comes in contact with a cool surface?

- Ice crystals
- Water droplets
- Hot air
- None of the above

MicroMerits.com is an innovative practice and assessment platform. The methodical practice sharpens your talent.

We provide Practice worksheets and Practice papers based on CBSE syllabus. These printable Worksheets and Practice Papers are available for FREE download

Helps students to score very good marks in their board exams. Also useful for students taking part in various competitions like NTSE, Olympiads, KVPY and for future JEE/NEET exams

Micromerits.com