

Q1) Fill in the blanks:

- 1 The envelope of air that surrounds the earth is known as_____.
- 2 Air is a_____ of many gases.
- 3 Burning of a substance can occur only in the presence of_____.
- 4 The major component of air is_____.
- 5 Plants use_____ for photosynthesis and_____ for respiration.
- 6 All living organisms take in_____ and give out_____ during respiration.
- 7 The burning of fuels produces_____ gas.
- 8 _____ contains few gases and fine dust particles.
- 9 Animals and plants living in water use oxygen_____ in water.
- 10 _____and_____ present inside the nose prevent dust particles to enter into the respiratory system.
- 11 Two processes which maintain balance of carbon dioxide and oxygen in nature are and_____.
- 12 Air in motion is called_____.

Q2) Why do mountaineers carry oxygen cylinders with them?

Q3) What is the composition of air?

Q4) The process in which water vapour changes into water droplets is called condensation.

What conditions are required for this process to occur?

Q5) What happens when burning continues in a closed room?

Q6) Why long chimneys are built in factories?

Q7) Name two variable components of air.

Q8) Describe an activity to show that

(a) Water has air dissolved in it.

(b) Soil has air in it.

Q9) Why do earthworms come out of the soil when it rains heavily?

Q10) Why should we breathe through our nostrils and not through our mouth?

- Q11) How does air help plants in various activities?
- Q12) Write three uses of windmill.
- Q13) Explain how plants and animals are interdependent.
- Q14) Why are we advised not to sleep under a tree during the night?
- Q15) In a school, students thought of planting trees in and around the school, to reduce air pollution. What values can you infer from the planting of trees.