


AIR AROUND US
GRADE 6 PHYSICS

1. Major part of the air is constituted by
 - (a) nitrogen
 - (b) oxygen
 - (c) carbon dioxide
 - (d) inert gases
2. Wind is
 - (a) air around us
 - (b) rising hot air
 - (c) air in motion
 - (d) none of these
3. When we heat water, we find bubbles coming from it. This shows that 
 - (a) water contains air
 - (b) air contains water.
 - (c) water itself converts into bubbles.
 - (d) Water contains dissolved minerals.
4. Mountaineers carry oxygen cylinders with them because
 - (a) oxygen supports combustion.
 - (b) oxygen is less at higher altitudes.
 - (c) more oxygen is needed to cook food.
 - (d) oxygen does not support combustion.
5. Wind does not help in the movement of which of the following?
 - (a) Firki
 - (b) Weather cock
 - (c) Ceiling fan
 - (d) Sailing yacht
6. Boojho took an empty plastic bottle, turned it upside down and dipped its open mouth into a bucket filled with water. He then tilted the bottle slightly and made the following observations.
 - (i) Bubbles of air came out from the bottle.
 - (ii) Some water entered the bottle.
 - (iii) Nitrogen gas came out in the form of bubbles and oxygen got dissolved in water.
 - (iv) No bubbles formed, only water entered the bottle.Which observations is/are correct?
 - (a) (i) and (ii)
 - (b) (iv) only
 - (c) (iii) and (iv)
 - (d) (i) only
7. Usha took a lump of dry soil in a glass and added water to it till it was completely immersed. She observed bubbles coming out. The bubbles contain
 - (a) water vapour
 - (b) only oxygen gas
 - (c) air
 - (d) none of these

8. which of the following is false
(a) Air does not occupy any space
(b) Plants produce oxygen during the process of making their own food.
(c) Air is a mixture of gases
(d) Air is transparent
9. which of the following is true
(a) The component of air necessary for photosynthesis is Oxygen
(b) Nitrogen takes up nearly four-fifths of the space that air fills
(c) Carbon dioxide helps in burning of Candle
(d) None of these
10. which all of these does not consume oxygen
(a) Respiration in living beings
(b) Burning of substances
(c) Photosynthesis
(d) Iron Rusting
11. What is not true about air?
(a) It makes the windmill rotate
(b) It helps in the movements of airplanes
(c) Birds can fly in the absence of air
(d) It plays role in water cycle
12. On heating water on a burner in a vessel, tiny bubbles appear on the inner sides of the vessel, these bubbles are due to the presence of
(a) Oxygen in the atmosphere
(b) Dissolved oxygen in the water
(c) Nitrogen in Atmosphere
(d) Carbon dioxide in Atmosphere
13. . A policeman, controlling the traffic wears a mask to prevent the dust particles from entering his respiratory system through breathing.
(a) True (b) false
14. The components of air which are harmful to living beings are
a) nitrogen and carbon dioxide
b) dust and water vapor
c) dust and smoke
d) smoke and water vapour
15. Air is present in
(a) atmosphere
(b) soil
(c) water of ponds, lakes and seas
(d) everywhere