



**VIDYA BHARATI SCHOOL**  
OLYMPIAD WORKSHEET: January 2018  
GRADE: VIII  
SUBJECT: SCIENCE

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1. Air is a mixture of various gases. One of the gases is 21% part of the air and is essential for the survival of human beings. This gas is
  - (a) nitrogen
  - (b) oxygen
  - (c) ozone
  - (d) argon
  
2. Which of the following is not a source of air pollution?
  - (a) automobile exhaust
  - (b) burning of firewood
  - (c) windmill
  - (d) power plant
  
3. Rahul wishes to contribute in reducing air pollution. Which vehicle should he use for going to school?
  - (a) car
  - (b) school bus
  - (c) autorickshaw
  - (d) scooter
  
4. Which of the following is not a way to conserve water?
  - (a) replace
  - (b) reduce
  - (c) reuse
  - (d) recycle
  
5. The type of pollution which is likely to affect Taj Mahal in Agra to a greater extent is
  - (a) air pollution
  - (b) water pollution
  - (c) soil pollution
  - (d) noise pollution

6. Incomplete combustion of fuel such as petrol and diesel gives
- (a) nitrogen oxide
  - (b) sulphur dioxide
  - (c) carbon monoxide
  - (d) carbon dioxide
7. The phenomenon of marble cancer is due to
- (a) soot particles
  - (b) CFCs
  - (c) fog
  - (d) acid rain
8. Potable water is the water which is
- (a) obtained from a river.
  - (b) obtained from a lake.
  - (c) pure and fit for drinking.
  - (d) used only for washing clothes.
9. Which of the following procedures will give you water free from all impurities?
- (a) adding chlorine tablets
  - (b) distillation
  - (c) boiling
  - (d) filtration
10. A pond contains clean water. Which of the following activities will produce least pollution of water?
- (a) washing clothes in the pond
  - (b) animals bathing in the pond
  - (c) washing motor vehicles in the pond
  - (d) swimming in the pond.
11. Trees help in reducing the pollution of our environment. Lakhs of trees are planted by people in the month of July every year. The occasion is called
- (a) forest Conservation Day
  - (b) plantation month
  - (c) Van Mahotsav

(d) wildlife week

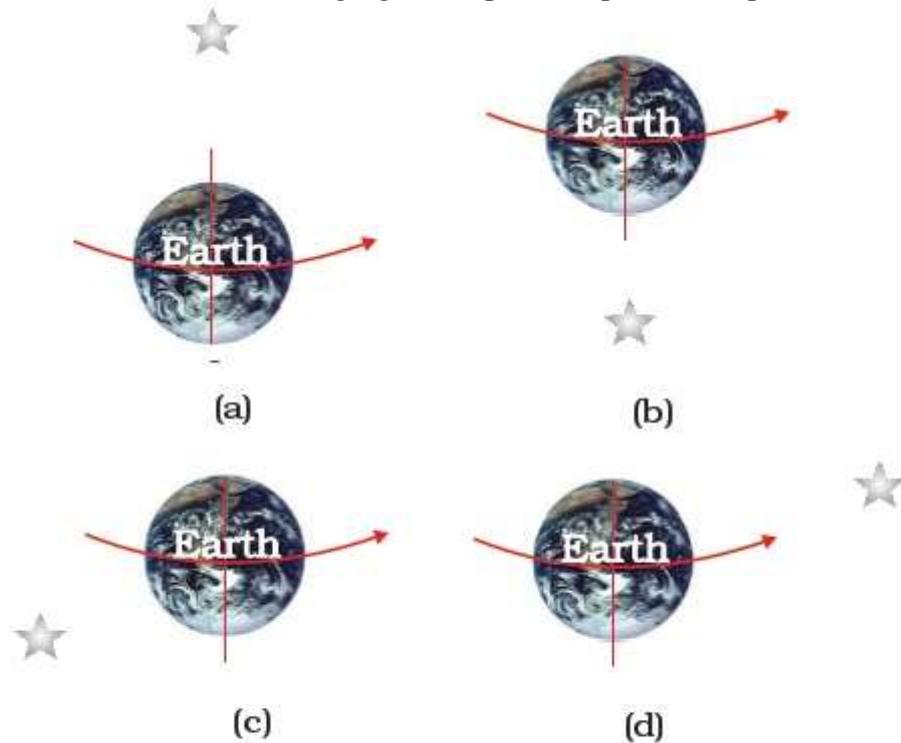
12. Which of the following is not a green house gas?

- (a) nitrogen gas
- (b) water vapour
- (c) methane gas
- (d) carbon dioxide

13. Morning star is the name given to

- (a) pole star
- (b) star Sirius
- (c) planet Jupiter
- (d) planet Venus

14. Which of the following figures depicts the position of pole star correctly?



15. Sun appears to move from east to west around the earth. This means that earth rotates from

- (a) east to west
- (b) west to east
- (c) north to south
- (d) west to north

16. An astronaut standing on the surface of the moon throws a ball upwards. The ball would

- (a) directly fall down from the point it is released.
- (b) hang in space.
- (c) go up and then come back to the surface of the moon.
- (d) keep going up never to come back.

17. Suppose a new planet is discovered between Uranus and Neptune. Its time period would be

- (a) less than that of Neptune.
- (b) more than that of Neptune.
- (c) equal to that of Neptune or Uranus.
- (d) less than that of Uranus.

18. The change in seasons on the earth occurs because

- (a) the distance between the earth and the sun is not constant.
- (b) the axis of rotation of the earth is parallel to the plane of its orbit.
- (c) the axis of rotation of the earth is perpendicular to the plane of its orbit.
- (d) the axis of rotation of the earth is tilted with respect to the plane of its orbit.

19. The first of a month is the new moon day. On fifteenth of the same month, which of the following figures would represent the phase of the moon?



(a)



(b)



(c)



(d)

20. 'Tree for tree' is principle for ---

- (a) Reforestation
- (b) Deforestation
- (c) Afforestation
- (d) None

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