



RAMAGYA SCHOOL, NOIDA

V/SCIENCE/2017-18

OLYMPIAD PRACTICE WORKSHEET

Q1. Which one of the following not caused by air pollution?

- a) Asthma
- b) Breathing Problem
- c) AIDS
- d) Slow growth of plants

Q2. Carbon dioxide, methane and water vapours are called _____

- a) Greenhouse gases
- b) Nobel gases
- c) Normal gases
- d) Natural gases

Q3. Which of the following is necessary for a substance to burn?

- a) Hydrogen
- b) Light
- c) Oxygen
- d) Gasoline

Q4. Which of the following is not a constituent of the atmosphere?

- a) Oxygen
- b) Carbon dioxide
- c) Aluminum
- d) Nitrogen

Q5. Which of the following gas is used by the green plants for the process of photosynthesis?

- a) Hydrogen
- b) Helium
- c) Oxygen
- d) Carbon dioxide

Q6. Which of the method is used to separate soluble impurities?

- a) Evaporation
- b) Loading
- c) Decantation
- d) Sedimentation

Q7. Which gas in the atmosphere saves us from the UV rays of the sun?

- a) Carbon Monoxide
- b) Oxygen
- c) Ozone
- d) Nitrogen

Q8. The blanket of air that covers the earth is called ____

- a) Lithosphere
- b) Hydrosphere
- c) Atmosphere
- d) Biosphere

Q9. The climate of the earth is changing due to _____.

- a) Global Warming
- b) Acid Rain
- c) El Nino's Effects
- d) Natural Calamities

Q10. A space that contains no air or any gas is known as ____

- a) Pressurized Cabin
- b) Hollow
- c) Bubble
- d) Vacuum

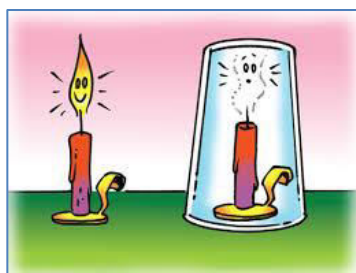
Q11. Nitrogen constitutes nearly __ % of the atmosphere.

- a) 21
- b) 79
- c) 42
- d) 57

Q12. Which is the best example of gravity?

- a) A car hits a tree, and its motion stops
- b) A breeze blows, and a sailboat moves
- c) A book is pushed, and it moves across the table
- d) A person drops a ball, and it falls to the ground

Q13. Which of the following are examples of air pressure?



a)



b)



c)

d) Question does not provide sufficient data or is vague

Q14. Soumya investigated the properties of matter 'U'. She noted down the following observations in her notebook.

- A. It takes the shape of the container that holds it but volume cannot change.
- B. It is transparent fluid.
- C. It expands when frozen.

Matter 'U' is ?

- a) Honey
- b) Water
- c) Pebble
- d) Air

Q15. In the layer of atmosphere, where the ozone layer is located?

- a) Stratosphere
- b) Ionosphere
- c) Troposphere
- d) Hydrosphere

Q16. Which component of air cannot be used directly by the living beings?

- a) Oxygen
- b) Carbon dioxide
- c) Nitrogen
- d) Water Vapors

Q17. Which of the following layer lies between stratosphere and thermosphere?

- a) Ionosphere
- b) Troposphere
- c) Mesosphere
- d) All of the above

Q18. The process of changing from water vapor to water droplets:

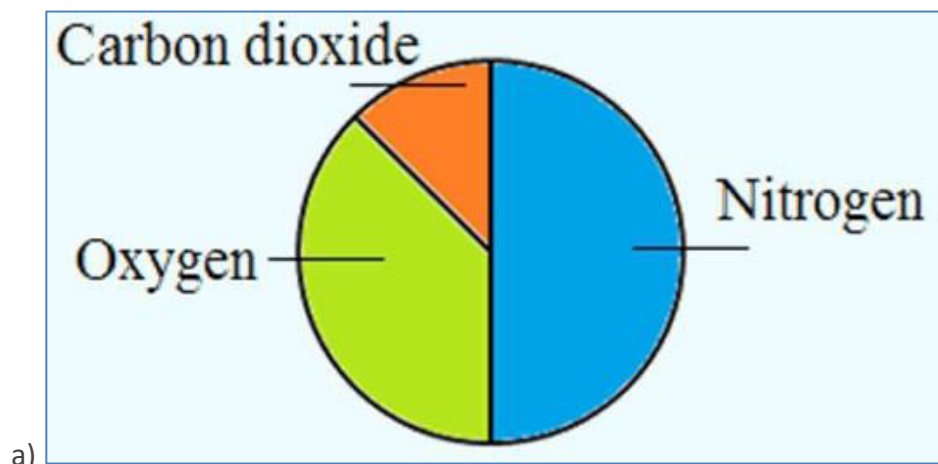
- a) Evaporation
- b) Condensation
- c) Sublimation
- d) Sedimentation

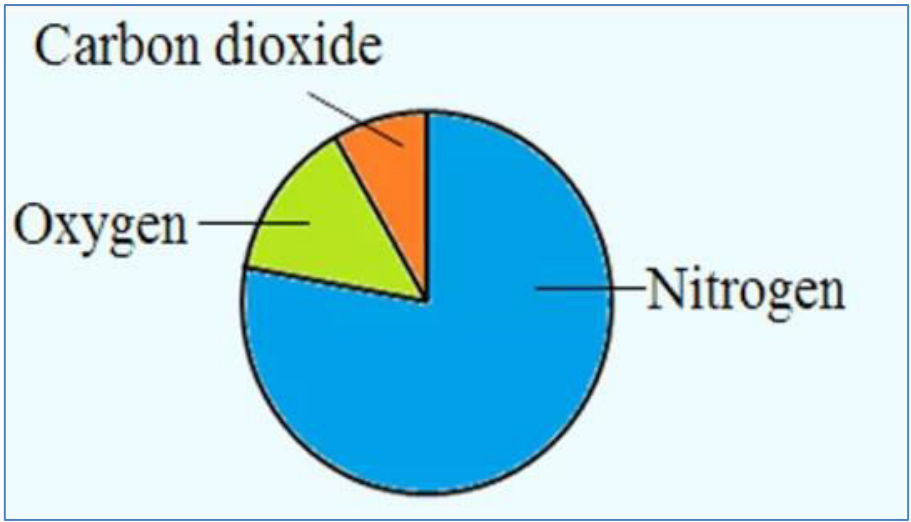
Q19. Medicine in a syringe is filled due to



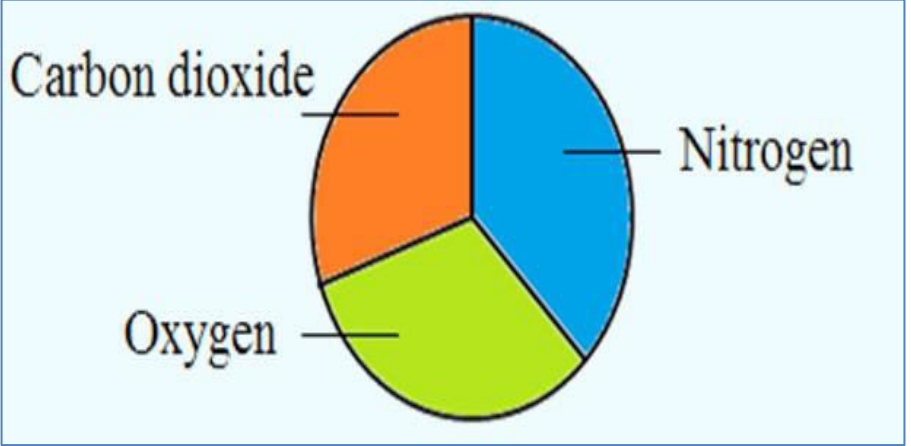
- a) Piston Pressure
- b) Liquid Pressure
- c) Air Pressure
- d) Needle Pressure

Q20. Which of the following shows the correct percentage of the composition of air?





b)



c)

d) All of the above.