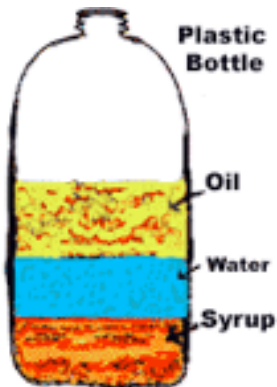


PSBB Learning Leadership Academy
PT3 Science Revision
VIII STD

I. Choose the correct option:

1. The hottest zone of the candle flame
 - a) Non luminous zone
 - b) Luminous zone
 - c) Dark zone
 - d) Blue zone
2. Which liquid is least dense?
 - a) Oil
 - b) Water
 - c) Syrup
 - d) All the above



3. Which is the correct sequence of increasing order of the boiling point of substances in fractional distillation.
 - a) LPG< Lubricating oil< kerosene<diesel
 - b) Petrol< kerosene<diesel oil<fuel oil
 - c) LPG<diesel oil< kerosene<naphthalene
 - d) Naphthalene< petrol<kerosene<diesel
4. Spirogyra reproduce by
 - a) Fragmentation
 - b) Budding
 - C) Regeneration
 - d) Binary fission

II. Correct the following statements.

5. Hydra reproduces through binary fission.

6. Hydrocarbons are compounds of carbon, hydrogen and oxygen only.

III. Do as directed:

7. Give the scientific terms for the following:

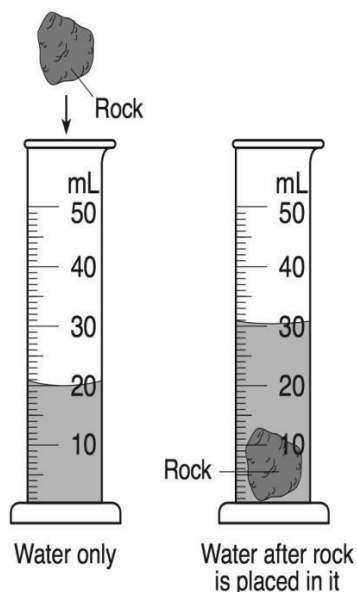
- i) A non-fossil fuel obtained by heating wood slowly with very little air.
 - ii) The burning of fuel in the presence of oxygen.
8. What is the mass of 5 m^3 of cement of density 3000 kg/m^3 ?

IV. Answer in brief:

- 9. Differentiate between mass and weight. (1 point each)
- 10. State the Law of floating for the substance.
- 11. How is coal tar formed? Give one use of coal tar.

v. Answer the following:

- 12. a) How is Biogas produced?
 - b) Mention two advantages of using biogas as a fuel.
13. The picture shows you what happens on lowering a piece of rock weighing 79 g into water. Calculate the density of the piece of rock.



- 14. What volume of silver metal will weigh exactly 2500 g? The density of silver is 10.5 g/cm^3 .
- 15. What is the mass of air in a room measuring $10 \text{ m} \times 6 \text{ m} \times 5 \text{ m}$ if the density of air is 1.3 kg/cm^3 ?

