

MAHESH TUTORIALS9th CBSE
Batch :**SUBJECT : SCIENCE & TECHNOLOGY**
Chapter : 1, 2, 5, 6, 8, 9
Question Paper**Test -**
Date:
Marks : 60
Time: 2 Hrs**Q : 1 Answer the following questions : [1 Marks]**

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1. A mixture of chloroform and water taken in a separating funnel is mixed and left undisturbed for some time. The upper layer in the separating funnel will be of _____ and the lower layer will be that of _____.
2. Name the tissues responsible for movement in our body ?
3. What are the functions of stomata ?
4. The SI unit of force is _____.
5. Momentum gives a measure of
 - (a) mass
 - (b) weight
 - (c) velocity
 - (d) quantity of motion

Q : 2 Answer the following questions : [2 Marks]

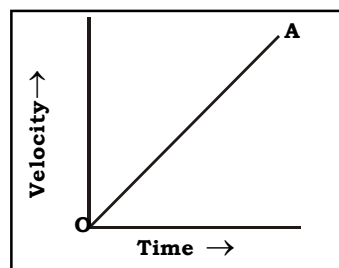
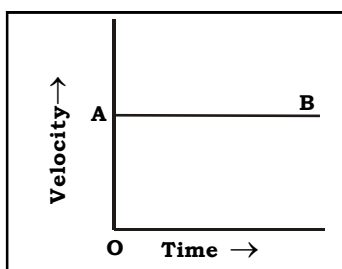
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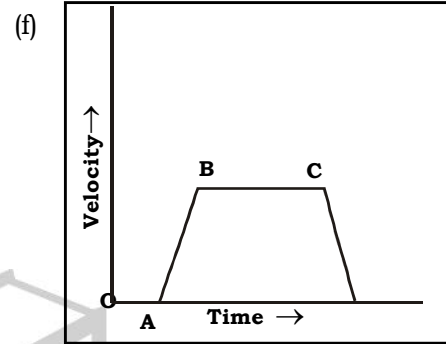
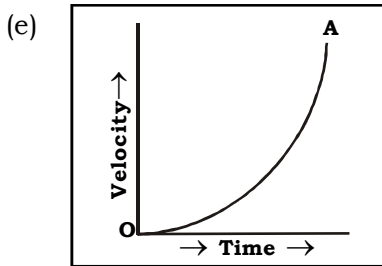
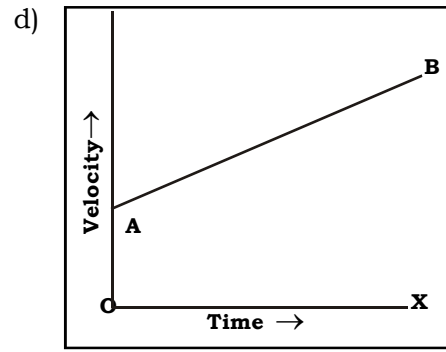
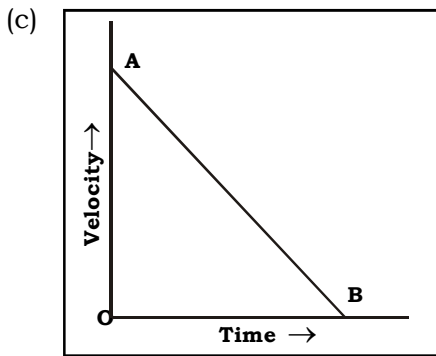
6. Give Reason : A gas fills completely the vessel in which it is kept.
7. Convert the following temperature to Celsius scale.
(a) 300 K (b) 573 K
8. List the points of differences between homogeneous and heterogeneous mixtures.
9. Who discovered cell, and how ?
10. Write the differences between xylem and phloem
11. Describe the functions of epithelium tissue.
12. Define (a) uniform velocity (b) non - uniform velocity.
13. A bullet fired against a window glass pane makes a hole in it and the glass pane is not cracked. On the other hand, a stone striking the same glass pane will smash it. Explain why ?

Q : 3 Answer the following questions : [3 Marks]

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14. Describe briefly:
 - (i) Melting point and
 - (ii) Boiling point.
15. Which of the following materials fall in the category of a "pure substance" ?
(a) Ice (b) Milk (c) Iron
(d) Hydrochloric Acid (e) Calcium oxide (f) Mercury
(g) Brick (h) Wood (i) Air
16. Describe endoplasmic reticulum (ER) and state its functions .
17. What is Parenchyma tissue and explain its function ?
18. Describe lysosomes and state its functions .
19. What types of motions are represented by the following velocity graphs?
(a) (b)





20. State Newton's third law of motion. Give two examples.
 21. An automobile vehicle has a mass of 1500 kg. What must be the force between the vehicle and road if the vehicle is stopped with a negative acceleration of 1.7 ms^{-2} ?

Q : 4 Answer the following questions : [5 Marks]

22. Draw a neat labelled diagram of Plant cell
 23. You are provided with a mixture containing sand, iron filings, ammonium chloride and sodium chloride. Describe the procedures you would use to separate these constituents from the mixture ?
 24. State Newton's second law of motion and derive the relation between force, mass and acceleration of an object.

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★★★★ *Best of Luck* ★★★★★