

1. What is the conversion, Solid----→Gas called? (1)
2. What do you mean by the term diffusion? (1)
3. An object starts with initial velocity 'u' and attains a final velocity of 'v'. The velocity of the object is changing at uniform rate. Write the formula for calculating average velocity? (1)
4. Write an example of uniformly accelerated motion? (1)
5. Name the following scientists:
 - a) discovered the free living cells
 - b) suggested that cells arise from pre-existing cells
 (1)
6. Why does the temperature remain constant, when a liquid start boiling? (2)
7. a) Name the chemical component of the following:
 - i) Cell membrane
 - ii) Cell wall
 b) Plasma membrane is called a selectively permeable membrane. Why? (2)
8. Define acceleration. A car accelerates from 5m/s to 15m/s in 10s. Calculate the acceleration of the car during this time interval? (2)
9. The figures A, B and C show the response of a plant cell in three different solutions. Mention the changes occurring in a plant cell in three different solutions (3)



10. List two differences in tabular form between speed and velocity. How the average velocity of a body is calculated when its velocity changes at a non uniform rate? (3)
11. With the help of a labelled diagram describe an activity to show that nature of matter is particulate.(3)
