

1. Name the scientists who presented the cell theory. (1)
2. Which property of gas is used in supplying oxygen cylinders to hospitals? (1)
3. What is the physical state of water at 100 degree Celsius? (1)
4. Define uniform acceleration. (1)
5. An object is moving in a circle of diameter 5m. What is its displacement when it completes one and half rounds? (1)
6. a) Name the phenomenon that plays an important role in the following:
i) Gaseous exchange between the cells ii) Absorption of water by plant roots
b) Define endocytosis (2)
7. Why does the temperature remain constant, when a solid starts melting? (2)
8. A car travels from stop A to stop B with a speed of 30km/h and then returns back to A with a speed of 50km/h. Find the average speed of the car? (2)
9. 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)
10. With the help of a diagram explain in brief an activity to show that particles of matter are very small. (3)
11. 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)


