Class – 9	Science	Motion
	Worksheet	

Fill in the blanks:

1. When s-t graph is parallel to x-axis, the body is_____.

2. When v-t graph is parallel to x-axis, the body is_____.

3. The slope of v-t graph for a body in uniformly accelerated motion is_____.

4. The slope of displacement-time graph for a car parked in a parking area is_____.

5. Acceleration is a_____quantity

True/False:

6. Velocity of an object in uniform circular motion is constant.

7. A car moving on a crowded road with a number of traffic red signals is in non-uniform motion.

8. Displacement of a body can be positive or zero, but never negative.

9. Angular displacement is measured in radians.

10. A freely falling body is uniformly accelerated.

Write the following questions Answers :

11. An object has moved through a distance. Can it have zero displacement? If yes, support your answer with an example.

12. Which of the following is true for displacement?

   (a) It cannot be zero.

   (b) Its magnitude is greater than the distance travelled by the object.

13. Distinguish between speed and velocity.

14. What does the odometer of an automobile measure?

15. When will you say a body is in (i) uniform acceleration? (ii) Non-uniform acceleration?