

Name: _____ Date: _____

Motion and Time

Q1. State True (T) or False (F).

- i. The basic unit of time is second. _____
- ii. Every object moves with a constant speed. _____
- iii. Distances between two cities are measured in kilometres. _____
- iv. The time period of a given pendulum is not constant. _____
- v. The speed of a train is expressed in m/h. _____
- vi. Clocks that measure such small time intervals are used for scientific research. _____

Q2. Fill in the blanks.

- i. The metallic ball is called the _____ of the pendulum.
- ii. The symbols of all units are written in _____.
- iii. The time taken by the pendulum to complete one oscillation is called its _____.
- iv. One microsecond is one _____ of a second.
- v. A nanosecond is one _____ of a second.
- vi. The distance-time graph for the motion of an object moving with a constant speed is a _____.

Q3. What is the basic unit of time?

Ans. _____

Q4. What is the basic unit of speed?

Ans. _____

Q5. What is speedometer?

Ans. _____

Motion and Time

Q1. State True (T) or False (F).

- i. The basic unit of time is second. True
- ii. Every object moves with a constant speed. False
- iii. Distances between two cities are measured in kilometres. True
- iv. The time period of a given pendulum is not constant. False
- v. The speed of a train is expressed in m/h. False
- vi. Clocks that measure such small time intervals are used for scientific research. True

Q2. Fill in the blanks.

- i. The metallic ball is called the bob of the pendulum.
- ii. The symbols of all units are written in singular.
- iii. The time taken by the pendulum to complete one oscillation is called its time period.
- iv. One microsecond is one millionth of a second.
- v. A nanosecond is one billionth of a second.
- vi. The distance-time graph for the motion of an object moving with a constant speed is a straight line.

Q3. What is the basic unit of time?

Ans. The basic unit of time is a second. Its symbol is s.

Q4. What is the basic unit of speed?

Ans. Basic unit of speed is metre per second (m/s).

Q5. What is speedometer?

Ans. Speedometer is an instrument that indicates the speed of a vehicle.