

Chapter 05

SLOW OR FAST

When we look at movement of objects around us, we see that either they are moving fast or slow. Even many a times the same object may move faster or slower. We have seen earlier, objects also move in different paths.

In the following examples, identify the path of motion.

- (i) Soldiers in a march past – Path of motion is ***straight line***.
- (ii) Hands of athlete in a race - Path of motion is ***periodic***.
- (iii) Bullock cart moving on a straight road – Path of motion is ***straight line***.
- (iv) Pedal of bicycle - Path of motion is ***circular***
- (v) Motion of a pendulum - Path of motion is ***periodic***
- (vi) Earth moving around the sun -Path of motion is ***circular***
- (vii) Motion of a swing -***periodic***

How do we know which object is faster or slower?

Let us consider two vehicles moving around the same path.

Just by looking at their motion, can you tell which one is moving faster?

In comparison to vehicle 2, vehicle 1 is lagging behind. Hence, we say speed of vehicle 2 is more than vehicle 1.

Having learnt about motion of objects in this lesson, we shall more about ***speed*** in our next lecture.