

* Uniform Motion

→ If a moving body travels equal distances in equal interval of time, its motion is said to be uniform.

→ Thus, for a uniform motion, the speed of the moving body remains constant.

* Non-uniform Motion

→ If a moving body travels unequal distances in equal interval of time, its motion is said to be non-uniform.

HOME ASSIGNMENT

1. Distinguish between uniform and non-uniform motions, giving an example of each.

Ans: Uniform Motion

Non-uniform Motion

* A body is said to have a uniform motion if it covers equal distance in equal interval of time.

A body is said to have a non-uniform motion if it covers unequal distances in equal intervals of time.

Uniform Motion	Non-uniform Motion
<p>* Example of uniform motion :-</p> <p>→ The movement of the blades of a ceiling fan.</p>	<p>Example of ^{non-}uniform motion :-</p> <p>If a car moves ^{covers} 10 m in first two two seconds, and 15 m in next two seconds.</p>

Q. How ~~by~~ do you determine the average speed of a body in non-uniform motion?

Ans: In a non-uniform motion, the average speed of body is calculated by dividing the total distance travelled by the body, with the ~~total~~ total time of its journey. Thus, Average speed = Total distance travelled by the body / Total time of journey