

# NCERT/CBSE PHYSICS CLASS 11 textbook

---

<http://www.TutorBreeze.com>

Answers to NCERT/CBSE PHYSICS Class 11(Class XI)textbook

CHAPTER FOUR

MOTION IN A PLANE

EXERCISES

(For simplicity in numerical calculations, take  $g = 10 \text{ m s}^{-2}$ )

4.26 A vector has magnitude and direction. Does it have a location in space ? Can it vary with time ? Will two equal vectors  $a$  and  $b$  at different locations in space necessarily have identical physical effects ? Give examples in support of your answer.

**4.26**

**Solution:**

Yes a vector has a location in the defined space .

It can change with time arbitrarily or as a function of time. The two identical vectors might have different physical effects depending on location. For example

$F \vec{N}$  of force has different meanings on moon and earth, thus having different physical effects.

Please do not copy the answer given here

[Write to us for help](#)