



Silent Bells



ഫസ്റ്റ്ബെൽ - അനുബന്ധ പഠനസഹായകസാമഗ്രി

Class:10

Subject:Physics

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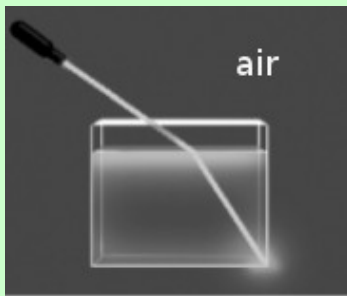
Worksheet No:5.1

Lesson & LO:Unit -5, Refraction of Light

[Video link](#)

Activity 1

Figure shows the path of the light from a laser torch that passes through water taken in a jar.



- Which are the media through which light travels ?
- What happens to the path of light ?
- Which is the phenomenon that caused it ? Define.

Activity 2

The speed of light through different media is given in the table

Medium	Speed of light (m/s)
Vacuum	3×10^8 m/s
Water	2.25×10^8 m/s
Glass	2×10^8 m/s (approximately)
Diamond	1.25×10^8 m/s

- Which medium has lowest speed of light ? Which has highest ?
- What is optical density?
- What is the relation between optical density and speed of light ?
- Write the media given in the table in ascending order of optical density.