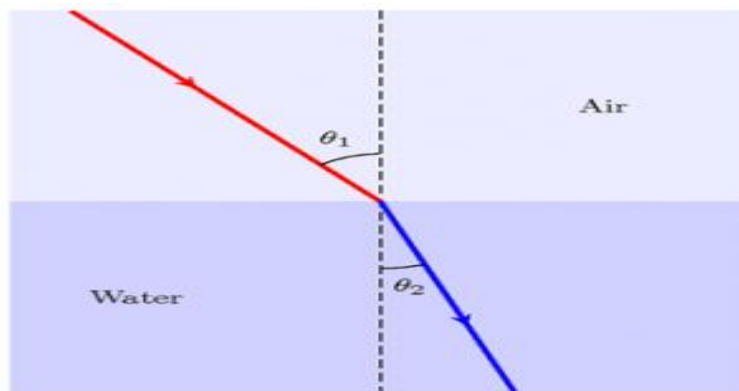


## What is Refraction of Light in Ray Optics?

Refraction of light refers to the change in direction of a ray of light when it travels from one medium to another. Refraction of light is one of the most common types of phenomenon but various other waves like water waves and sound waves also experience refraction.

### Example:

For example, the figure below shows a ray of light travelling from a medium of air to that of water.



Ray of light travelling from air to water

*Have u ever soaked your legs in a bucket?*

You would have noticed that your legs looked slightly deformed and kind of shorter. The phase velocity of travelling light rays are altered when they travel from one medium to another of a different refractive index.