

the Title

1. Does light travel faster or slower (compared to vacuum) in materials with a high refractive index?
2. Consider a ray of light that enters a piece of glass from air.
 - (a) If the ray is incident on the glass perpendicular to the surface, by what angle will it be bent?
 - (b) If the ray is incident on the glass at an angle of 45° to the surface, by what angle will it be bent?
3. What is the speed of light in water?
4. Will the speed of light be faster in glass or water?