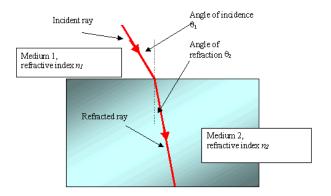
Answer on Question#40650 - Physics - Optics

An estimate of the refractive index of glass is 1.5. If the angle of incidence is $30^{\circ}.$ The angle of refraction is

Solution:



 $n_1 = 1 - reflactive index of air$

 $n_2 = 1.5 - reflactive index of glass$

 $\theta_1 = 30^{\circ}$ – angle of incidence

 θ_2 – angle of reflection

Snell's law of refraction:

Answer: angle of reflection is equal to 19.5°.