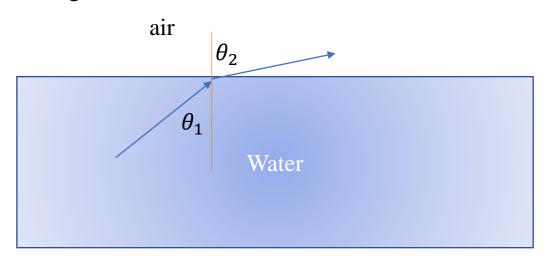
Q. A light ray with an angle of incidence of 35° passes from water to air. Find the angle of refraction using Snell's Law . The Refractive index of water is 1.333 and air is 1.



- ◆ From water to air
- ◆ Incidence medium is water and refractive medium is air

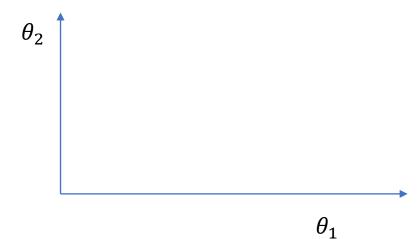
Snell's Law

$$n_1 \sin \theta_1 = n_2 \sin \theta_2$$

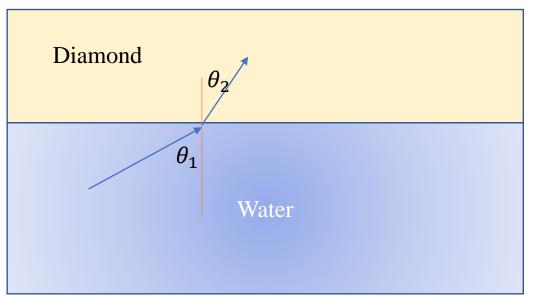
$$\theta_2 = ?$$

◆ If we change angle of incidence from 0°to 90° determine angle of refraction make a graph and table

$ heta_1$	$oldsymbol{ heta_2}$



Q. A light ray passes from water to diamond with an angle of incidence of 75°. Calculate the angle of refraction. The refractive angle of incidence is 1.333 for water and 2.42 for diamond.



- ◆ From water to Diamond
- ◆ Incidence medium is water and refractive medium is air

Snell's Law

$$n_1 \sin \theta_1 = n_2 \sin \theta_2$$

$$\theta_2 = ?$$

◆ If we change angle of incidence from 0°to 90° determine angle of refraction make a graph and table

$ heta_1$	$oldsymbol{ heta}_2$

