Standard 10	Subject: Physics	Medium:ENGLISH	Date:19/12/2020
class10	REFRACTION OF LIGHT	Worksheet No :5.2	**CLASS LINK**
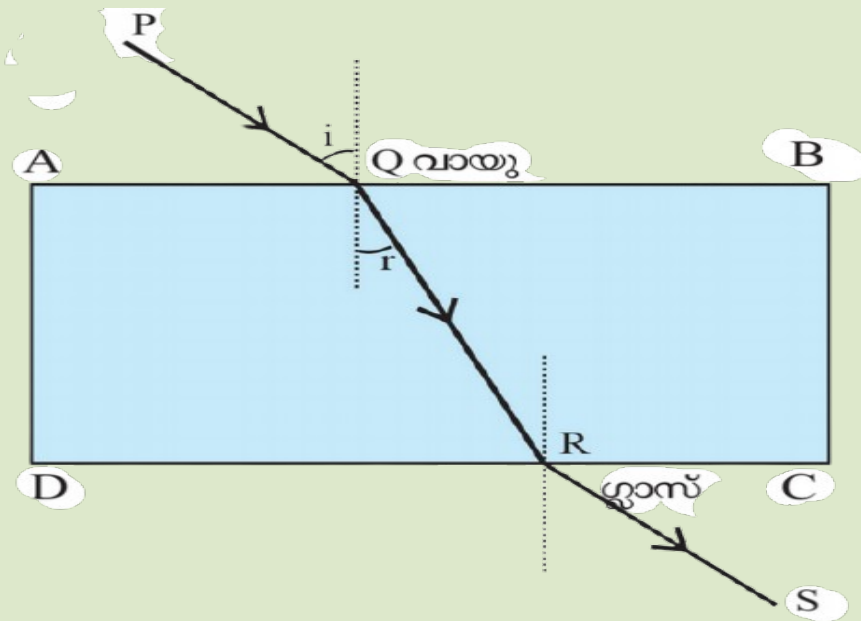
1.Which is the incident ray on the surface of separation AB?

2.Which is the incident ray on the surface of separation CD?

3.Name the angle of incidence and angle of refraction on the surface of separation AB?

ɪII Match the figures with the appropriate statements .

വായു
ജലം

ചിത്രം (a)

വായു
ഗ്ലാസ്

ചിത്രം (b)

വായു
ജലം

ചിത്രം (c)

ജലം
ഗ്ലാസ്

ചിത്രം (d)
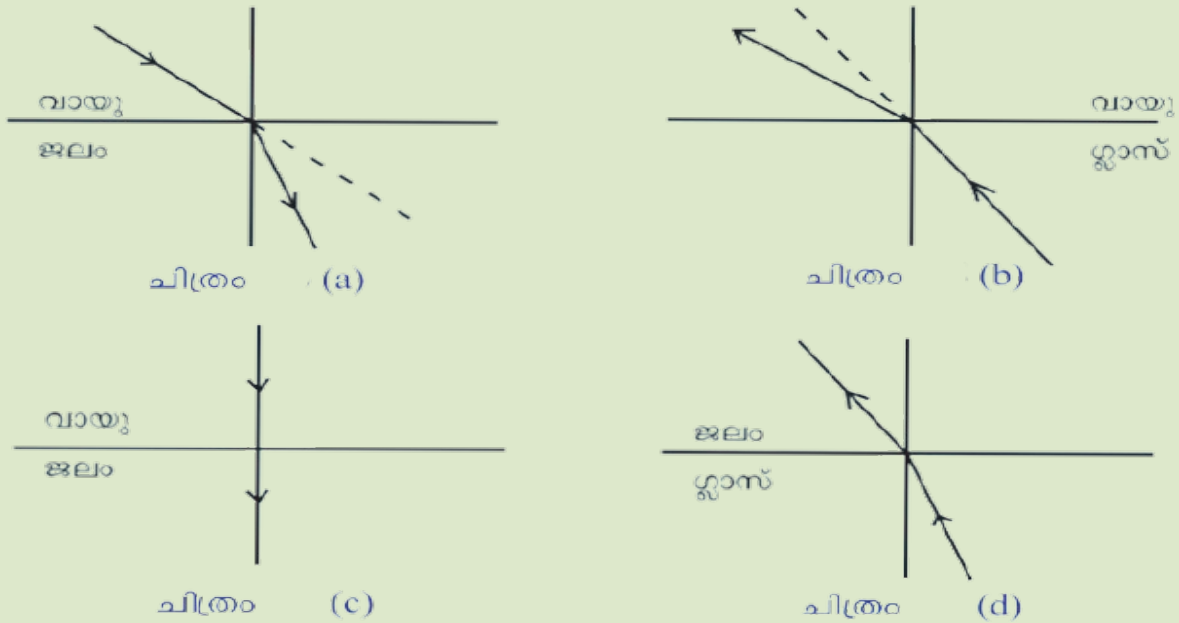
No deviation take place in the Case of a light ray falling normally on a medium	
When light passes obliquely from a medium of higher optical density to a medium of lower optical density, the refracted ray deviates away from the normal	
When light is incident obliquely, from a medium of lower optical density to a medium of greater optical density, the refracted ray deviates towards the normal	

III Light ray enters from air to glass

No	പതന കോൺ i	അപവർത്തന കോൺ r	Sin i	Sin r	Sin i/sin r
1	20°	13°	0.34	0.22	1.5

| 2 | 45° | 28° | 0.7 | 0.47 | 1.5 |
| 3 | 60° | 35° | 0.80 | 0.57 | 1.5 |

Light ray enters from glass to air

No	i	r	Sin i	Sin r	Sin i/sin r
1	10°	15°	0.17	0.26	0.7
2	14°	23°	0.26	0.39	0.7
3	20°	39°	0.34	0.51	0.7

1.From the above table, analyse the change in angle of incidence and angle of refraction when light ray passes from denser medium to rarer medium and vice versa.
2.State the Snell's law and refractive index

IV   State Laws of Refraction.