

Homework

① When light travels from a denser medium to a rarer medium, the speed of the light increases and the light refracts away from the normal. If the angle of incidence is increased further, so that it is greater than the critical angle, the light will be totally internally reflected.

② A fish in the pond of water appears at a depth of = 6 cm.

The refractive index of water is = $\frac{3}{4}$

$$\text{The refractive index} = \frac{6}{1} \times \frac{3}{4}$$

$$= \frac{9}{2}$$

$$= 4.5 \text{ cm}$$