A convex lens is made out of a substance of 1.2 refractive index. The two surfaces of lens are convex. If this lens is placed in water whose refractive index is 1.33, it will behave as:

 $n_l = 1.2$ Plane glass plate a) Divergent $n_a = 1$ Convergent **C**) Like a prism d) $n_w = 1.33$

 $n_1 < n_2$ Rarer to Denser
Converging lens
 $n_1 > n_2$ Denser to Rarer
Diverging lens







A concave lens of focal length 25 cm produces an image 1/10th of the size of the object. The distance of the object from the lens is

(a) 225 cm

(b) 250 cm

(c) 150 cm

(d) 175 cm

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