

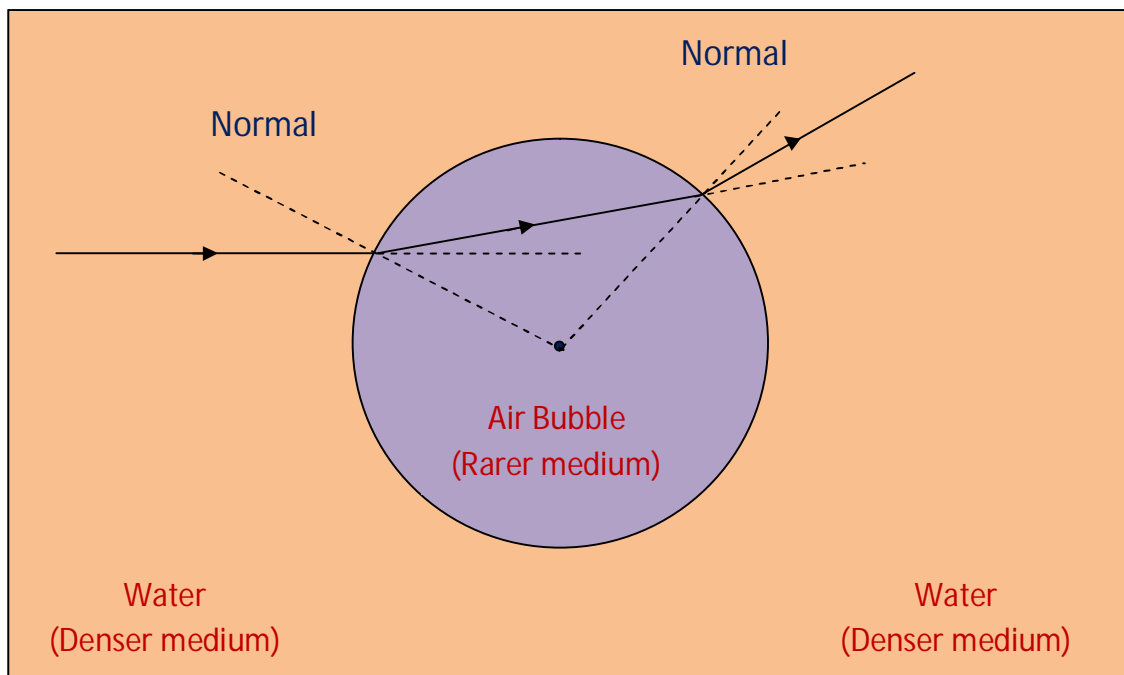
Question :

Is air bubble in water behaves like a converging lens or a diverging lens?

Answer :

The refractive index of water is 1.33 and the refractive index of air is 1.0003.

Water is denser medium and air bubble is rarer medium here. When light ray travels from denser medium to rarer medium , it travels away from the normal drawn to the interface at the point of incidence. So the air bubble in water behaves like a Diverging lens (Concave lens).



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