Answer on Question #41629, Physics, Optics

A transparent bag filled with air forms a concave lens when it is immersed in water it behaves as?

Answer

If a thin transparent bag filled with air has a concave shape and is placed under water this bag will converge light and act like a converging lens, even though the bag is concave. This is because the light will travel much faster in the air inside the bag than in the water around it.

So a concave shape diverges light only if the material of the lens slows light down. If light travels faster in the material, a concave shape will converge light!