

Answer on Question 52212, Physics, Optics

Question:

Can a converging lens be made to diverge light if placed in liquid? How about a converging mirror?

Answer:

- a) Yes, if the liquid has a higher index of refraction than that of the lens material.
- b) No, because the mirror depends only on reflection, which is independent of the surrounding material, so a converging mirror will be converging in any liquid.

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