

Answer on Question #46399, Physics, Optics

Question

In an experiment involving the convex lens, which of the following is NOT correct?

images must always be sharply focused

the tip of object pin must be at the same height as the center of lens

images obtained must always be magnified

parallax error must be avoided

Solution

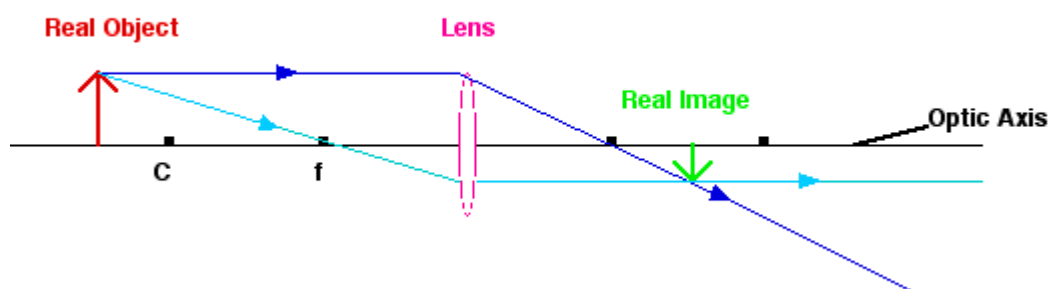


Image is smaller than object.

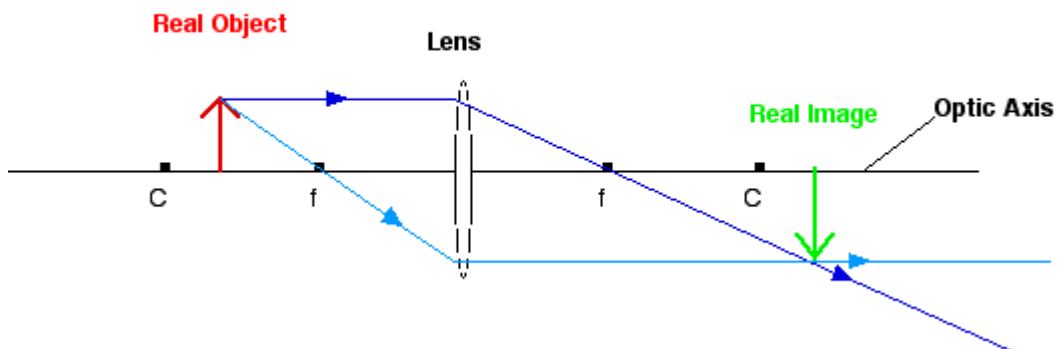


Image is larger than object.

Thus, the image that is obtained by using a convex lens can be as magnified, as minified, thus this correct answer is c.

Answer: images obtained must always be magnified