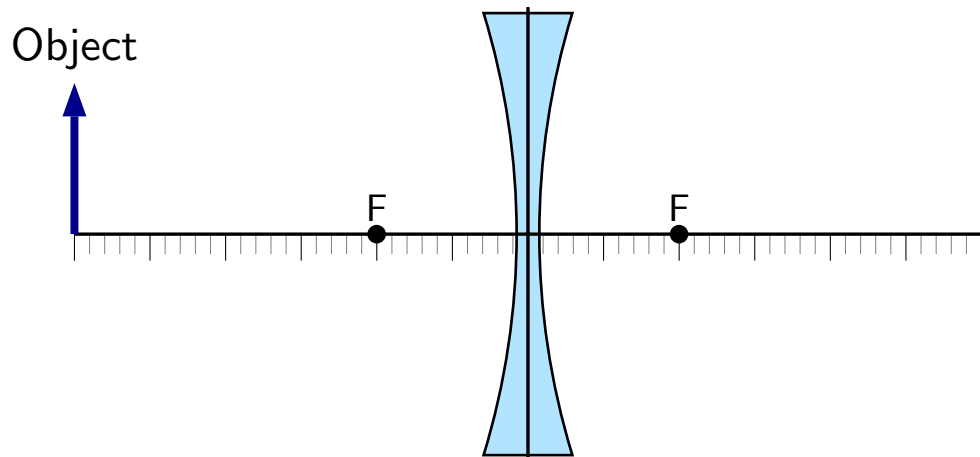


Question 1

An object is placed to the left of a concave lens with focal point as illustrated.



As the object is shifted closer toward the lens, which of the following is true?

1. The location and height of the image remain fixed.
2. The image is produced at the focal point and its height increases.
3. The image gets closer to the lens and its height decreases.
4. The image gets closer to the lens and its height increases.
5. The image gets further from the lens and its height increases.

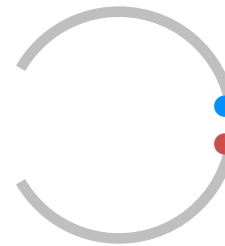
Question 2

A simple model of the eye *without any lens mechanism* is illustrated below. Two tiny light sources are located to the left of the eye opening.

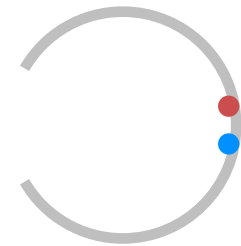


Which of the following best illustrates the image produced on the "retina"?

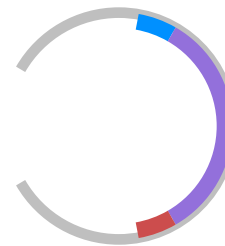
Case 1



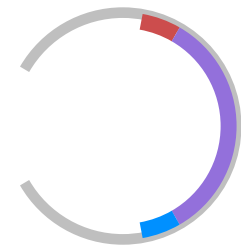
Case 2



Case 3

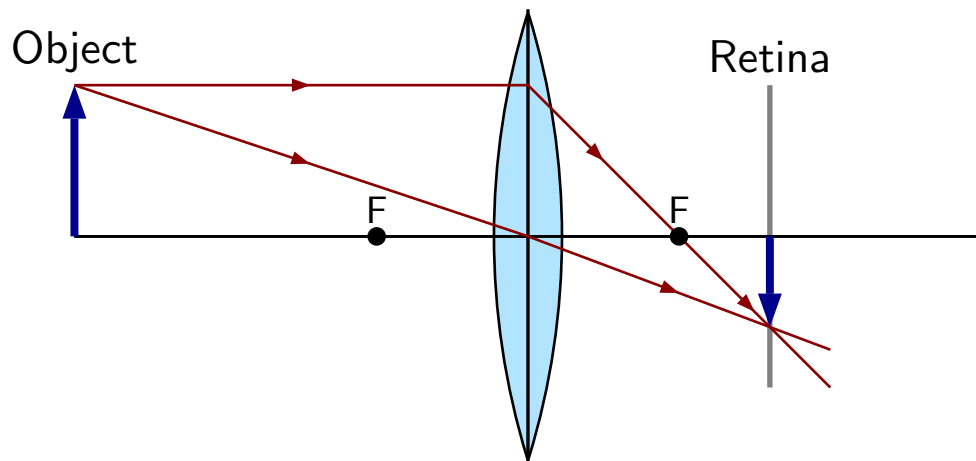


Case 4



Question 3

The eye always produces a clear image on the retina provided that the object is beyond the near point.



As the object moves closer to the eye, which of the following is true?

1. The focal length of the lens stays constant.
2. The focal length of the lens increases.
3. The focal length of the lens decreases.