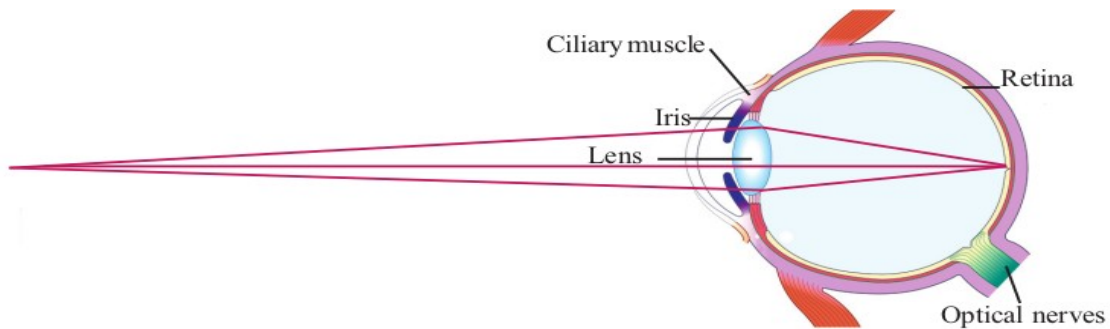


PHYSICS - X-PART-1 CLASS 48



Eye and Vision



Near point

Near point is the nearest point at which the objects can be seen distinctly. The near point of an eye with healthy vision is 25 cm.

Far point

Far point is the farthest point at which the objects can be seen distinctly. The far point of an eye with healthy vision is at infinity.

Power of Accommodation.

The ability of the eye to form an image on the retina by adjusting the focal length of the lens in the eye, by varying the curvature of the lens, irrespective of the position of the object, is the power of accommodation.

Worksheet

- a) What is the distance to the near point for a normal healthy eye?
- b) For a normal healthy eye, where is the far point?
- c) When we look at a different objects at different distances we can see the objects clearly explain how this is achieved.