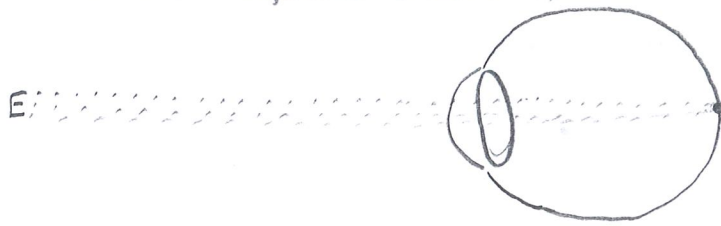


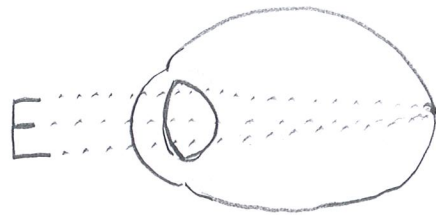
# Focusing Images on the Retina (Fovea)

## I. Distant objects (normal)



For distant objects, the light rays need to be bent minimally so the lens is flattened.

## II. Near objects (normal)



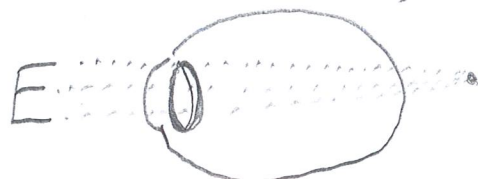
For near objects, the light rays must be bent to a much greater degree. To do so, the ciliary muscle contracts and the lens becomes more rounded.

## III. Near-sighted (myopic)



For people who are near-sighted, their eye focuses light rays too strongly for objects at a distance. Therefore, the focused image does not fall on the retina and appears blurry. This is not an issue for near objects (see above).

## IV. Far-sighted (hyperopic)



For people who are far-sighted, their eye focuses light rays too weakly for near objects. Near objects will appear blurry. This is not an issue for far objects (see above).