

(1) It takes some time to see objects in a dim room when we enter the room from outside from bright sunshine. It takes some amount of time to the pupil of the eye to become large so that more light will enter the pupil and we can see clearly.

(2) Function of

(i) Iris - It controls the size of the pupil.

(ii) eye lens - It focuses light on to the retina

(iii) Retina - It is a delicate membrane which responds to light and colour of the object respectively.

3) We are able to see nearby and also the distant objects because of the ability of the eye lens to adjust its focal length. When the lens become thin in the ciliary muscle relax so its focal length increases which allow us to see distant object. When the eye lens become thick the ciliary muscle contract, so its focal length decreases hence we can see the nearby object clearly.