

Q1) Why does it take some time to see the objects in a dim room when you enter the room from the bright sunlight outside?

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 for the pupil of the eye to become large so that more light will enter the

pupil and we can see clearly.

2) Mention the 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) How exactly we can see the nearby objects and the far off objects clearly?

We are able to see nearby and also the distant object because of the ability of the eye lens to adjust its focal length, when the lens become thin, which allow us to see distant object when the eye lens become thick the ciliary muscles contract, so its focal length decreases. Hence, we can see the nearby objects ~~near~~ clearly.