

Page _____

ASSIGNMENT

1) This is because in bright sunlight the pupil of our eye is small and when we just enter the darkened room very little light enters our eye due to which we can't see properly. After a while, when the pupil of our eye expands, more light enters our eye and we can see clearly.

2) Functions of various parts of eye:-

(a) Iris : It controls the amount of light ~~en~~ entering the eye.

(b) Pupil : It controls illumination in the eye.

(c) Eye lens : It focuses the light rays on to the Retina.

(d) Retina : It's a ~~delicate~~ delicate membrane having a large of light-sensitive cells called 'rods' and 'cones' which respond

to the intensity of light and colours of objects, respectively.

3.) This is due to the ability of the eye lens to adjust ~~this~~ its focal length which is known as accommodation. When the ciliary muscles are relaxed, the lens becomes thin. Thus, its focal length increases. This enables us to see distant objects clearly. When we are looking at objects closer to the eye, the ciliary muscles contract. This increases the curvature of the eye lens. The eye lens becomes thicker. The focal length of the eye lens decreases. This enables us to see nearby objects clearly.