動物生理学 III Handout No. 1

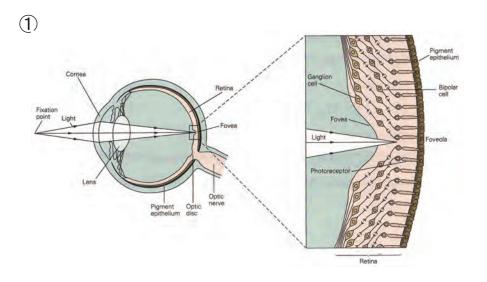
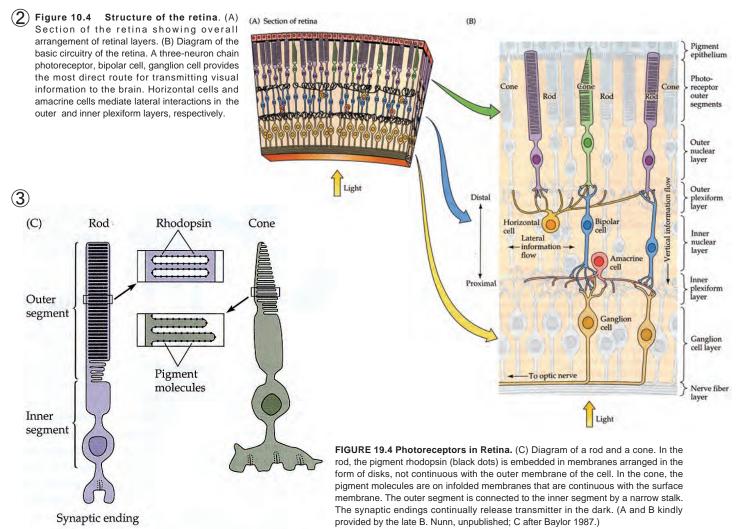


Figure 26-1 Photoreceptors are located in the retina. The location of the retina within the eye is shown at left. Detail of the retina at the fovea is shown on the right (the diagram has been simplified by eliminating lateral connections mediated by interneurons; see Figure 26-61. In most of the retina light must pass through layers of nerve cells and their processes before it reaches the photoreceptors. In the center of the fovea, or fovea ola, these proximal neurons are shifted to the side so that light has a direct pathway to the photoreceptors. As a result, the visualimage received at the foveola is the least distorted.



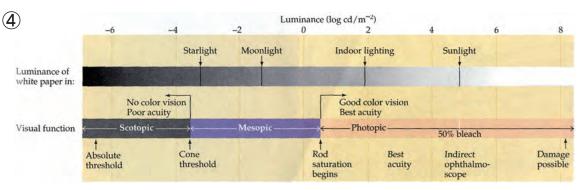


figure 10-9 The range of luminance values over which the visual system operates. At the lowest levels of illumination, only the rods are activated. Cones begin to contribute to perception at about the level of starlight, and they are the only receptors that function under relatively bright conditions.