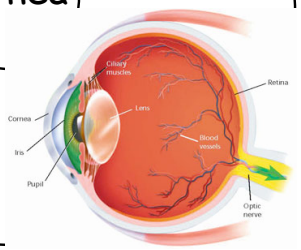
transparent

front of the eye

cornea



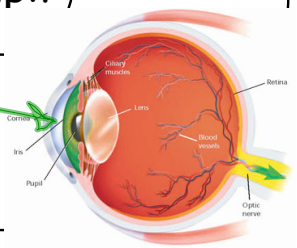
small opening

light enters the eye

expands in dim light

pupil

contracts in bright light

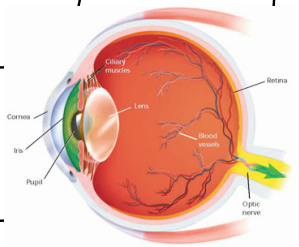


ring of muscles

changes size of pupil

gives eye color

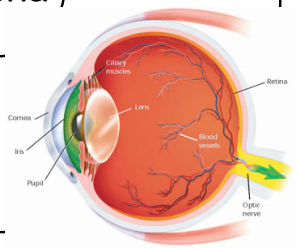
iris



layer of tissue

lines the inside of the eye

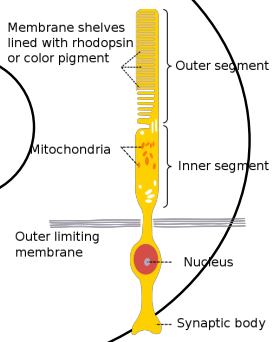
retina



light sensitive

responds to small amounts of light

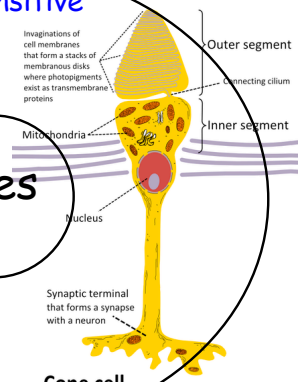
rods



light sensitive

respond to color

cones



person sees nearby objects clearly

eyeball is too long

distant objects are blurred

nearsighted

person sees far objects clearly

sees close up objects as blurry

the eyeball is too short

farsighted