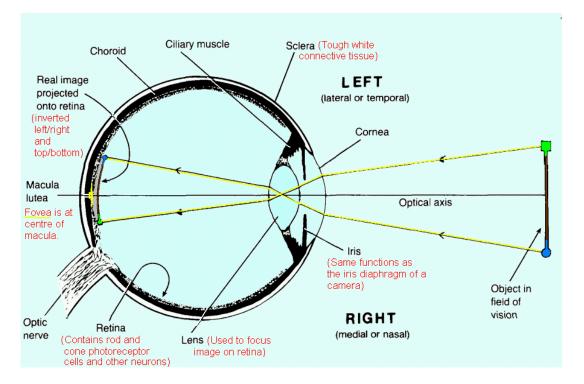
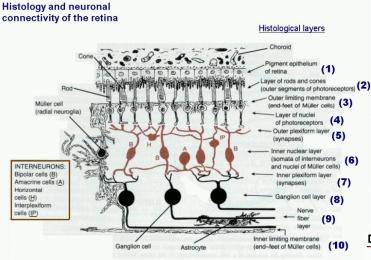
## VISUAL SYSTEM





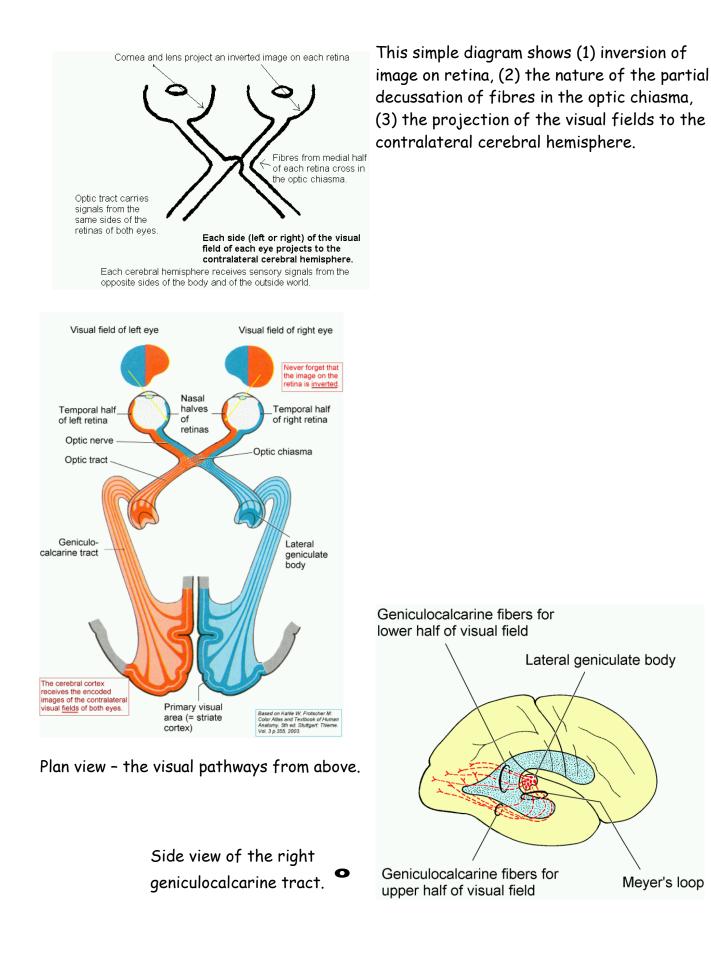
Organization of the retina in a schematic vertical section. Interneurons are shown in color. In reality the retina is packed with cells, and there is hardly any extracellular space. The *ten layers* of the retina are listed at the right-hand side of the figure. The potential space between the pigment epithelium and the layer of rods and cones is the "optic ventricle," the remnant of the cavity of the optic vesicle.

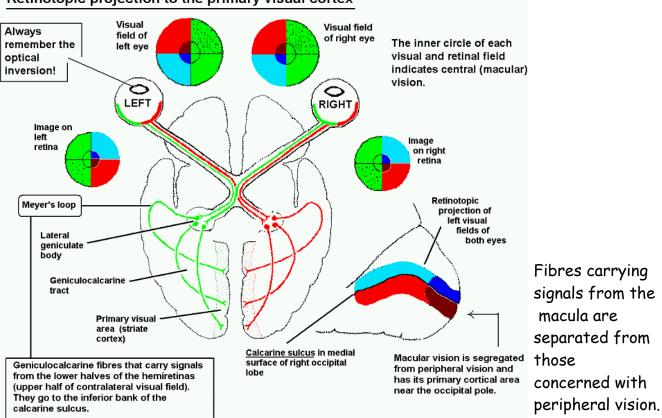
(For Anatomy 9535 students are not expected to learn the names of the histological layers of the retina.)

## DESTINATIONS OF THE OPTIC TRACT

HYPOTHALAMUS —	Day/Night; S	eason of year
PRETECTAL AREA —	Pupillary light reflex	
SUPERIOR COLLICULUS — Eye movements		
LATERAL GENICULATE	BODY —	Conscious ∨ision
REMEMBER!		

Each optic tract receives fibres from the left and the right retina.





## Retinotopic projection to the primary visual cortex

## **VISUAL FIELD DEFECTS**. Locate a single lesion responsible for the abnormality.

