

ANATOMY OF THE HUMAN EYE

Structural Layers & Functions

[Central Cross-Section Diagram Area]

1. Fibrous Tunic (Outer)

Structure	Function
Sclera	Protective "white" of the eye; maintains shape.
Cornea	Transparent window; primary light refraction.

2. Vascular Tunic (Middle)

Structure	Function
Choroid	Provides blood supply; absorbs stray light.
Ciliary Body	Controls lens shape; produces aqueous humor.
Iris	Pigmented ring; regulates pupil diameter.

3. Neural Tunic (Inner)

Structure	Key Component	Functional Role
Retina	Photoreceptors	Converts light into neural impulses (Rods/Cones).
Fovea Centralis	High-density Cones	Area of sharpest visual acuity.

Optic Disc

Nerve Exit

The "Blind Spot" where axons leave the eye.

Internal Chambers: *Anterior Segment* (Aqueous Humor - maintains pressure) | *Posterior Segment* (Vitreous Humor - supports retina/shape)