

CHAPTER 15: The Special Senses- The Eye, pp. 548-569

Sight, taste, hearing and smell are considered the **4 SPECIAL SENSES**
Equilibrium in the ear is the 5th

2 types of receptors: GENERAL VS SPECIAL

General	Similarities	Special

ANATOMY The EYE and Vision

Of all the senses, vision is the _____: _____% of all sensory receptors are in the eyes, nearly half of the _____ is involved in visual processing.

General description:

Adult eye is one inch in diameter. Exposing only one-sixth; the rest is enclosed and protected by a cushion of fat and the walls of the orbit.

Accessory Structures of the Eye: eyebrows, eyelids, conjunctiva, lacrimal apparatus and extrinsic eye muscles

Eyebrow	
Eyelid	
Conjunctiva	
Lacrimal apparatus	
Extrinsic eye muscle	

Structure of the Eyeball

Composed Of 3 Tunics (Layers): Fibrous, Vascular And Inner Layer

Fibrous	
Vascular	
Inner Layer	Retina Fovea Centralis Optic disc

Internal chambers and Fluids, pp 553-556 Lens, page 556

Aqueous Humor
Vitreous Humor