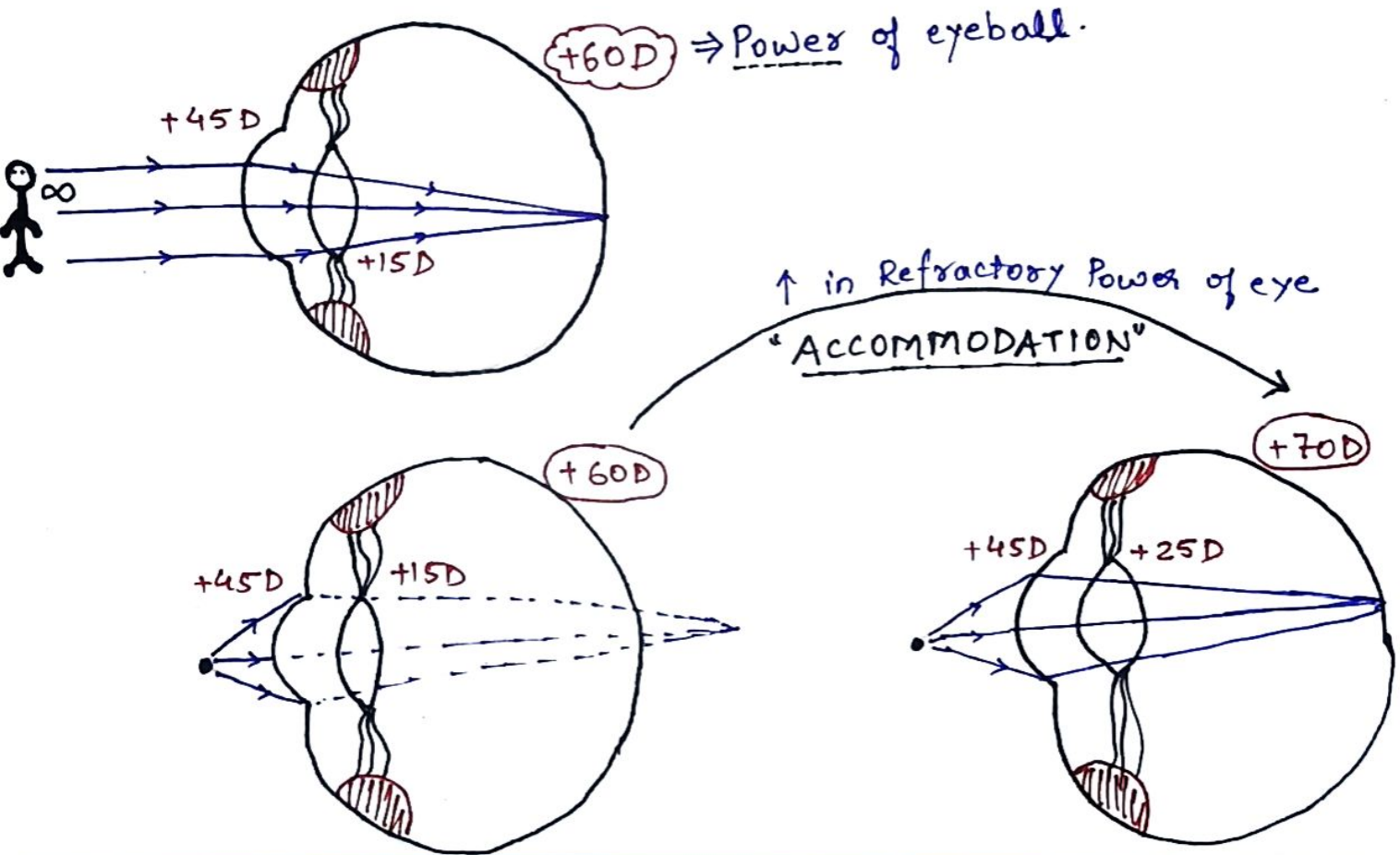


ACCOMMODATION :-

The ability of eye to increase refractory power of lens to focus on near objects.



Far vision (∞)

Ciliary muscle - Relaxed

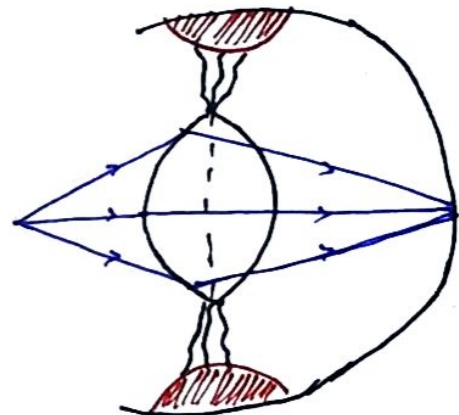
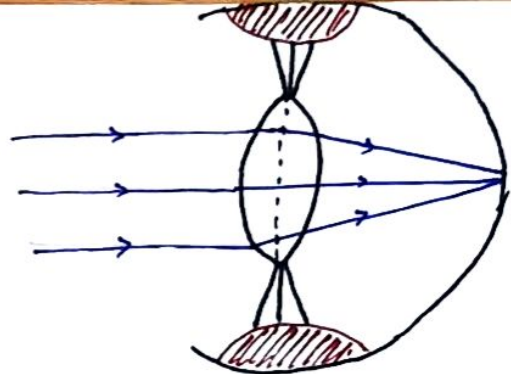


Suspensory ligament - Tight



Lens - Flattened

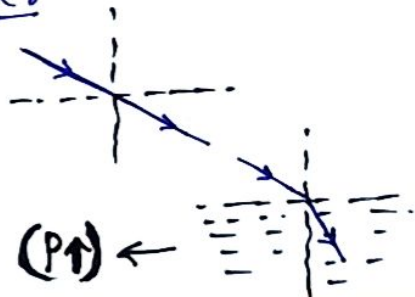
(\downarrow) Refractory power)



Power

Thin $\Rightarrow P \downarrow$

Thick $\Rightarrow P \uparrow$



Near object

ciliary muscle - Contracted



Suspensory ligament - Loose

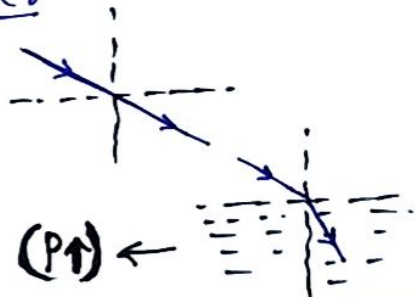


Lens - Thicker (More convex)

(\uparrow) Refractory power)

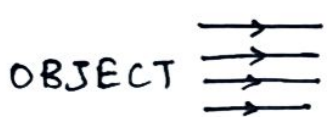
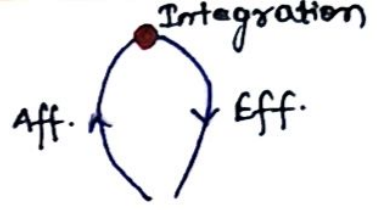
Thin $\Rightarrow P \downarrow$

Thick $\Rightarrow P \uparrow$



ACCOMMODATION REFLEX :-

- a) ↑ in curvature of lens
- b) Pupillary constriction
- c) Convergence of eyeball



Eye

→ Ganglionic cell layer of retina

Afferent

↓ optic nerve

↓ optic chiasma

↓ optic tract

↓ Lateral geniculate Nucleus (thalamus)

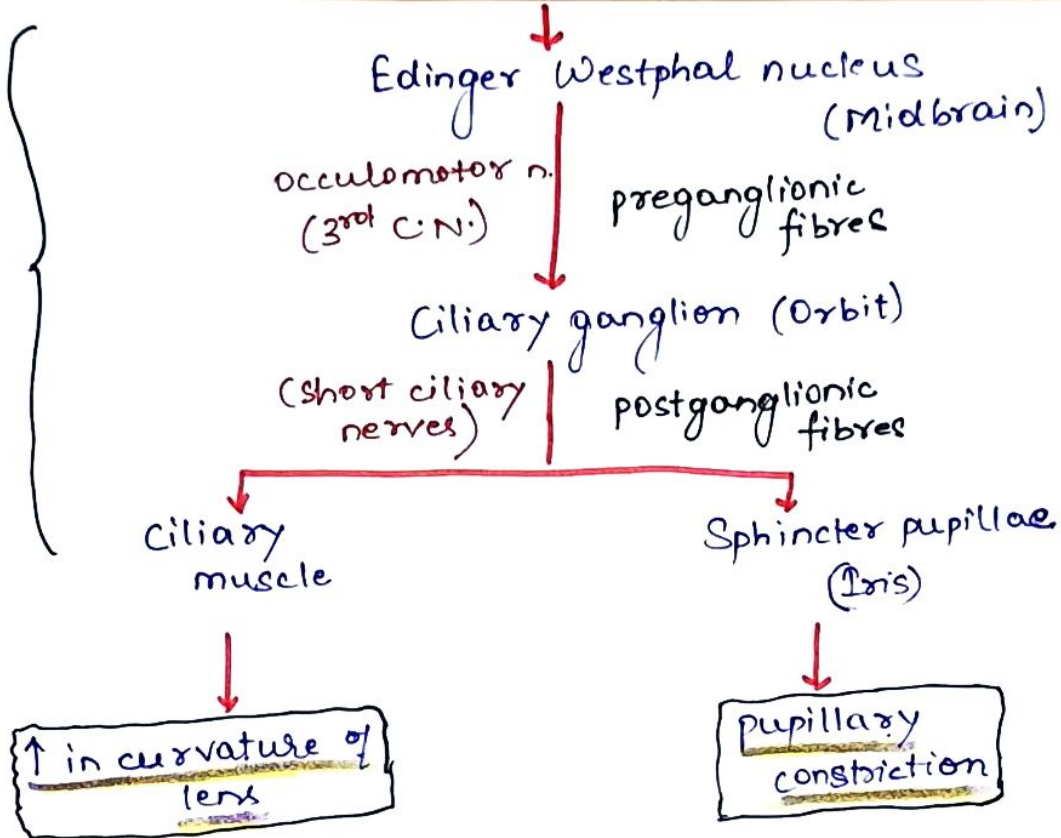
↓ optic radiation

Integration

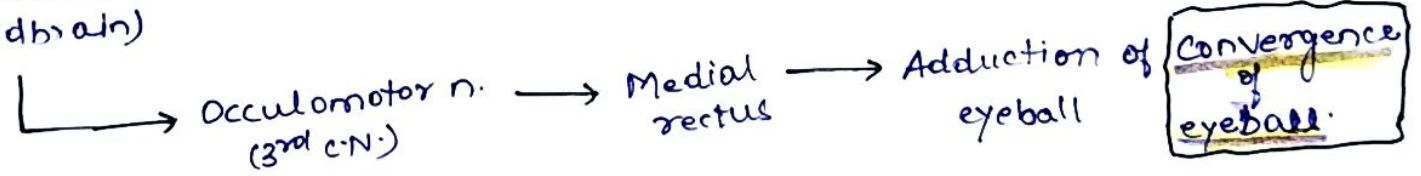
↓ Primary visual cortex (occipital lobe)

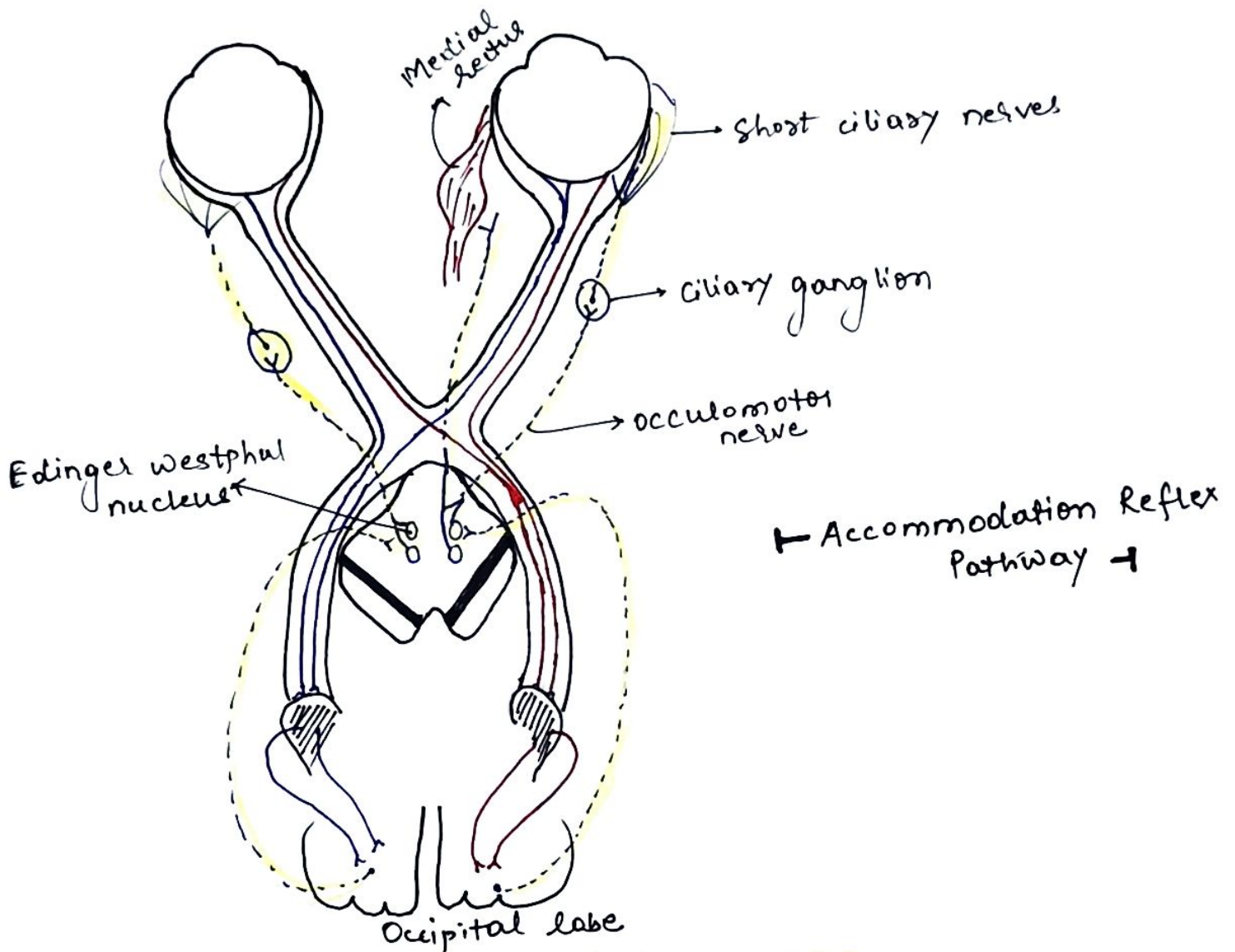
→ Visual association cortex

Efferent



Oculomotor nucleus (Midbrain)





PRESBYOPIA :-

- Loss of accommodation of lens

@
old age

• Elasticity of lens ↓ [Denaturation of proteins]

• power of accommodation ↓

• Bifocal lens are prescribed

↳ upper part ⇒ for far seeing
↳ lower part ⇒ for near seeing