

**Vision**



Our brain is being tricked all the time, in reality, everything is upside down, until the light passes through the lens, where it gets accomodated.

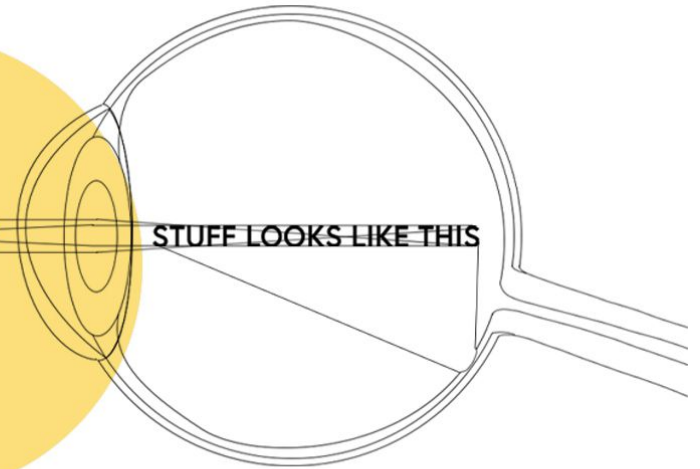
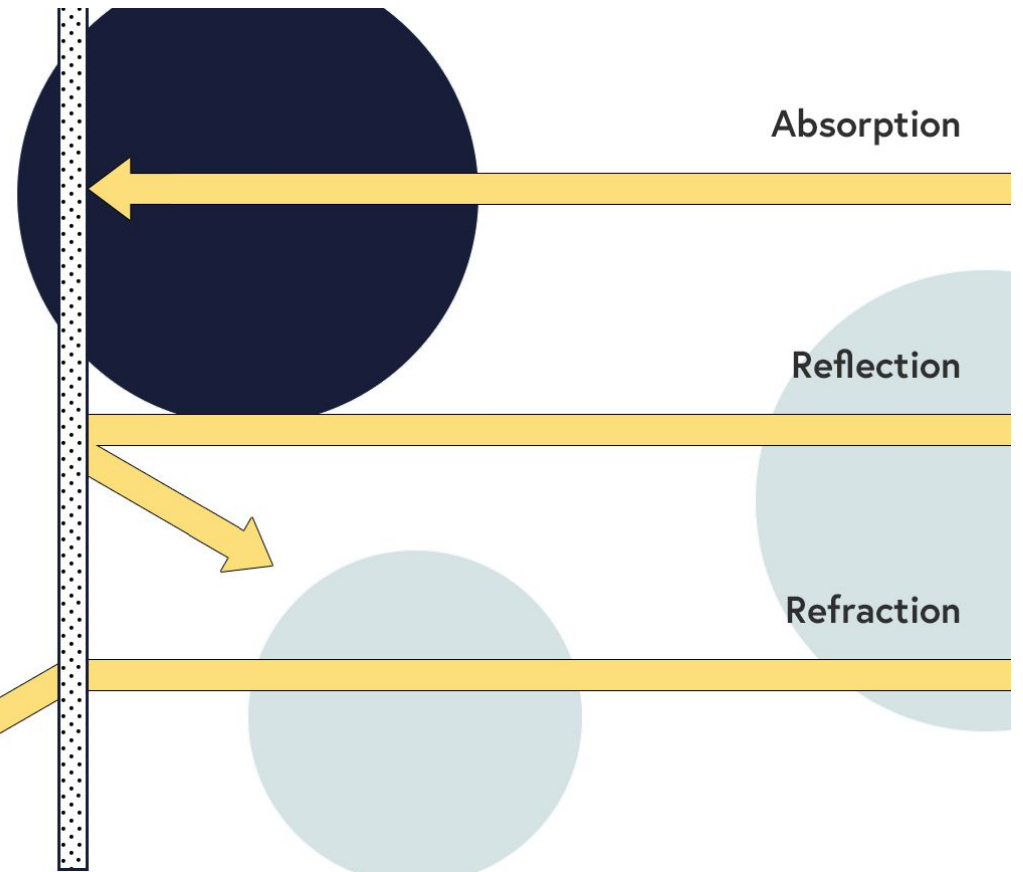
STUFF LOOKS LIKE THIS

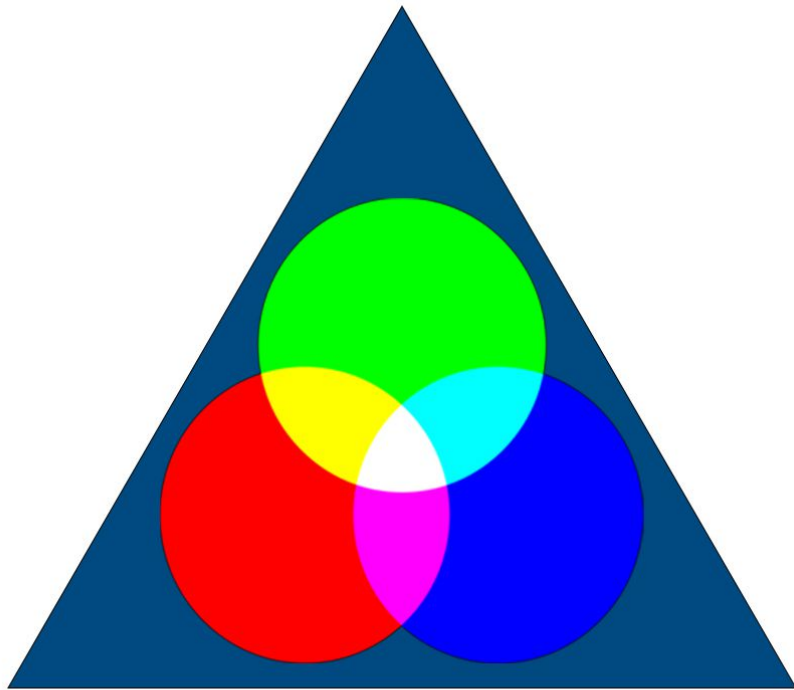
STUFF LOOKS LIKE THIS

Absorption

Reflection

Refraction

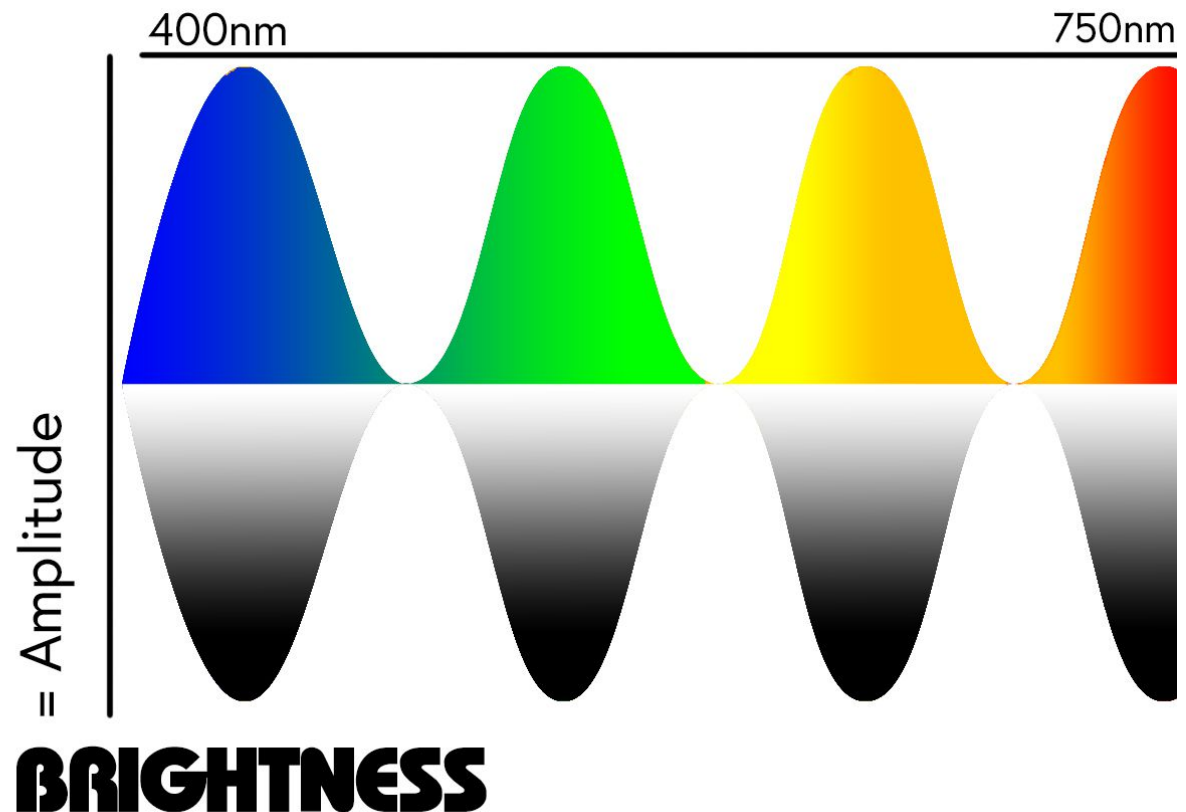




The cones that we find in the retina, specifically in the macula, are the responsible ones for our perception of color. We have three different kinds of rods; red, green and blue. The rest of the colors we perceive are just a combination of these primary hues and shades.

- From the electromagnetic field, we are just able to see waves between 400nm.
- The length of the wave is what determines its hue, the shortest being blue and the longest being red.
- The amplitude is what determines the brightness, the higher the brighter and the lowest the dimmer.

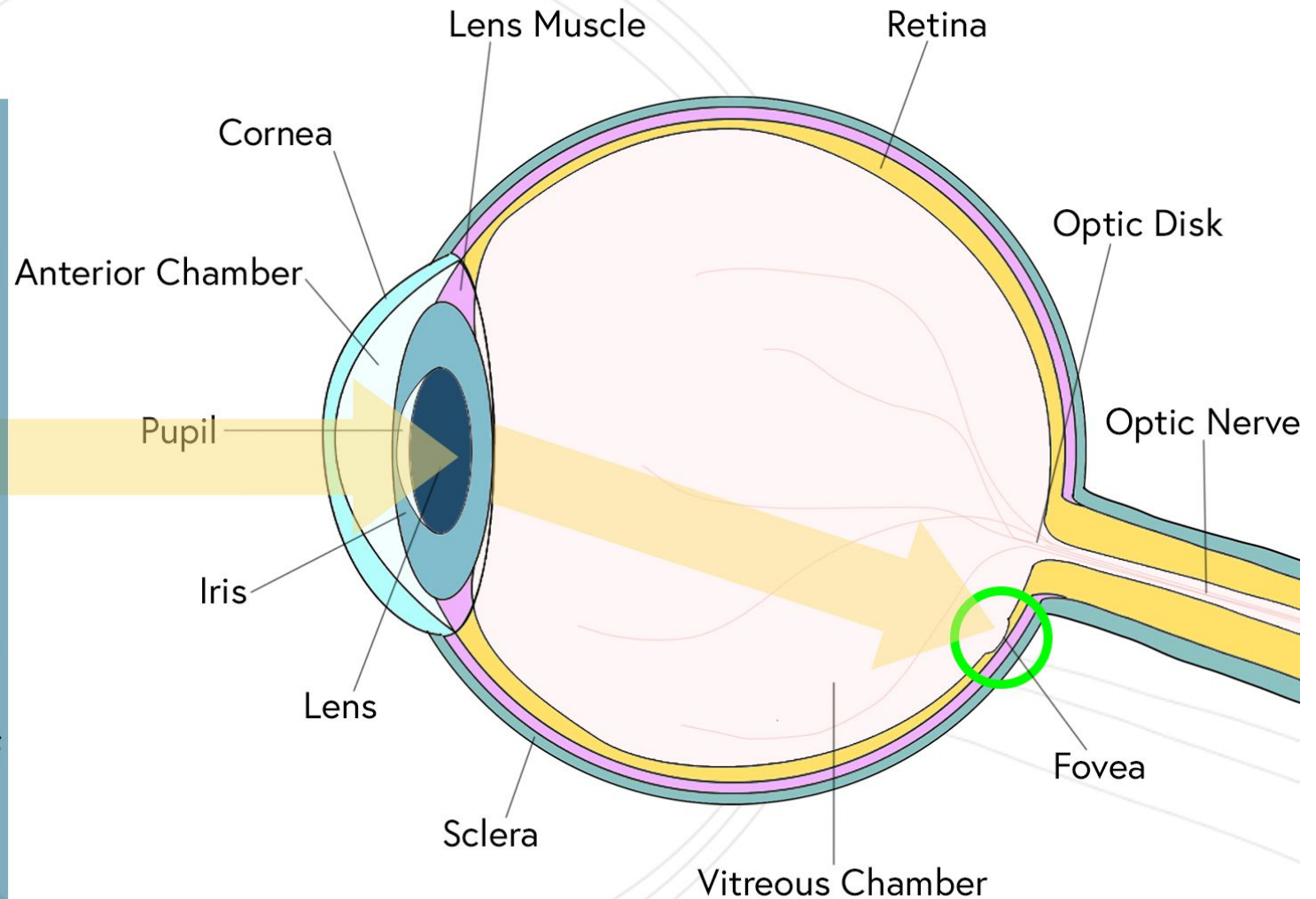
Longitude = **COLOR**

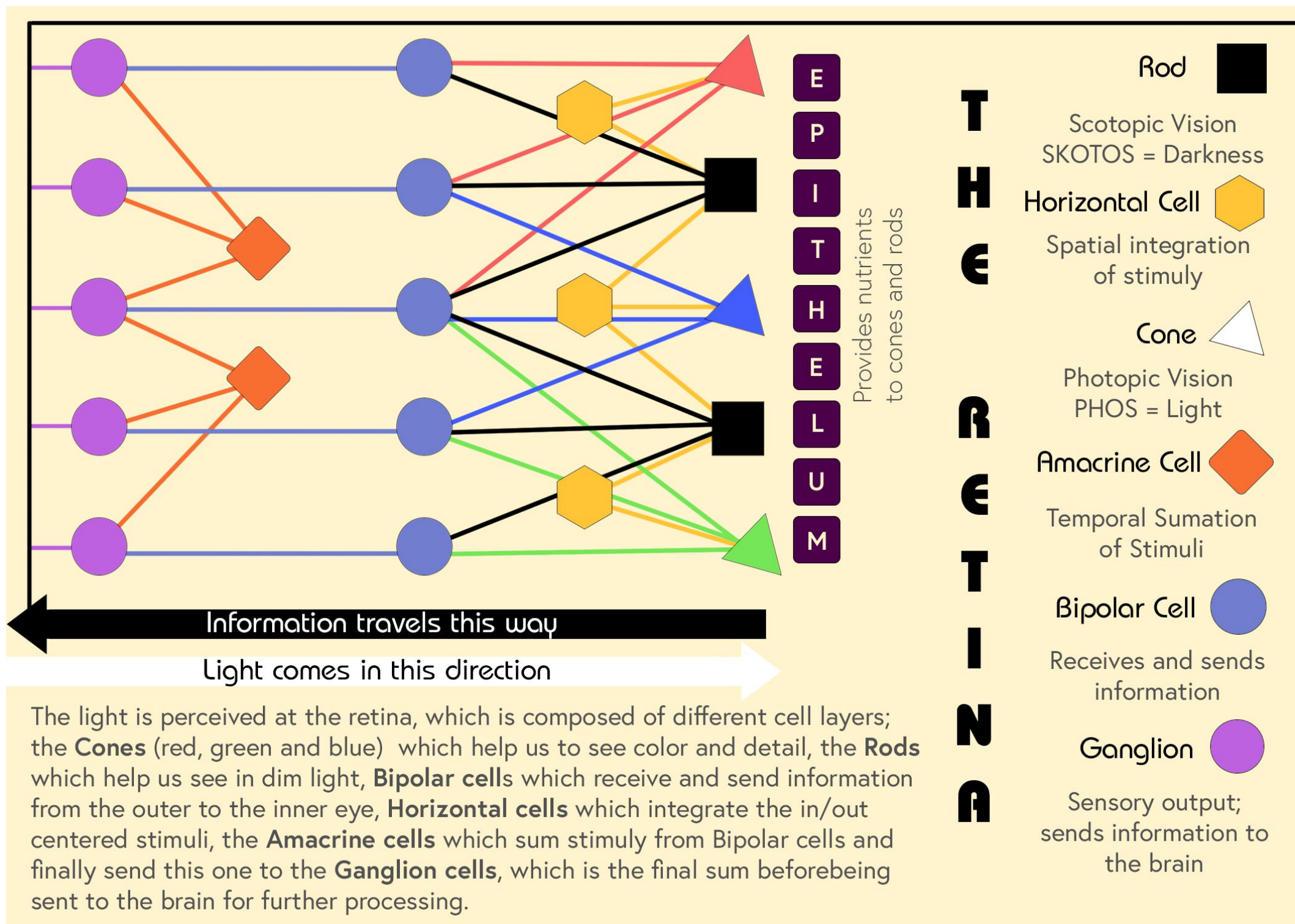




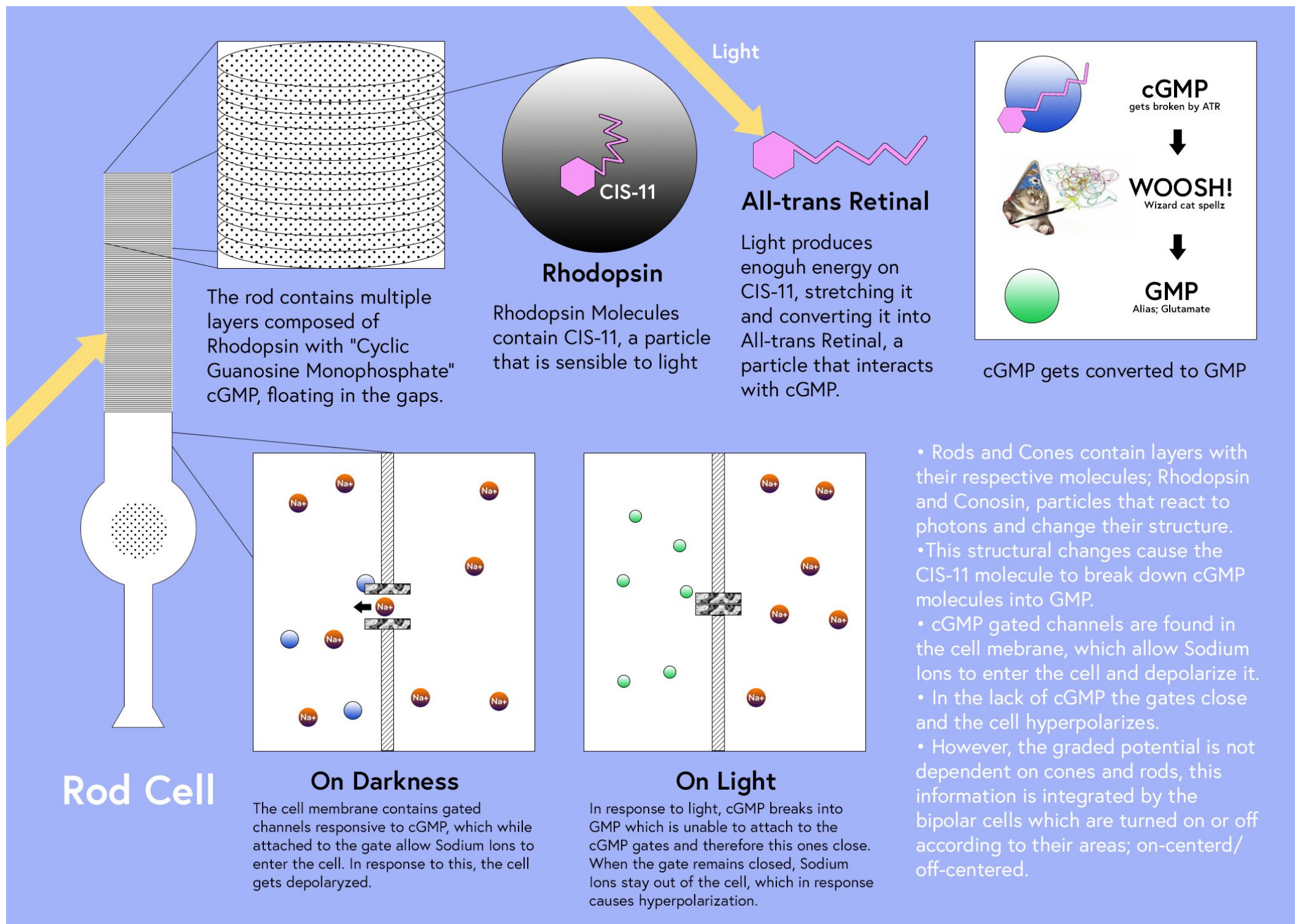
# THE EYE

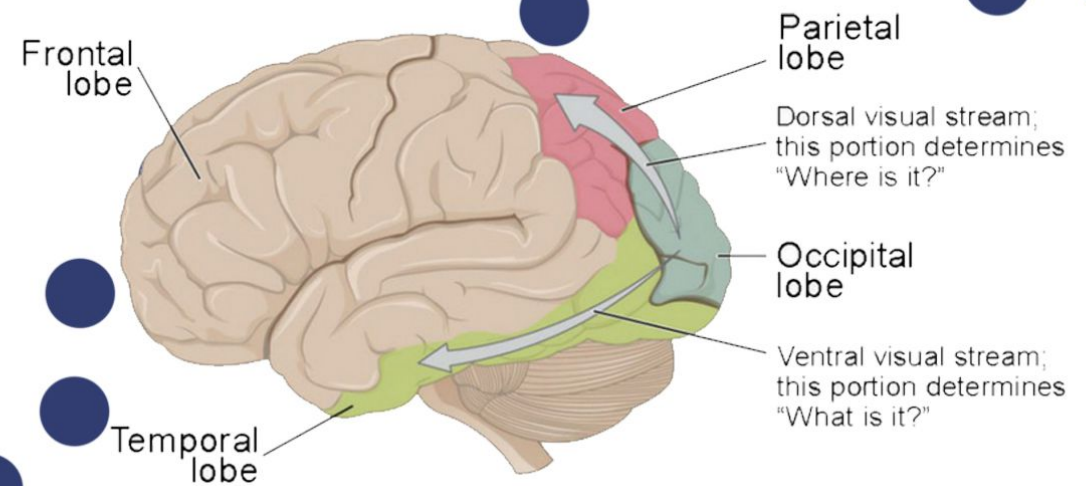
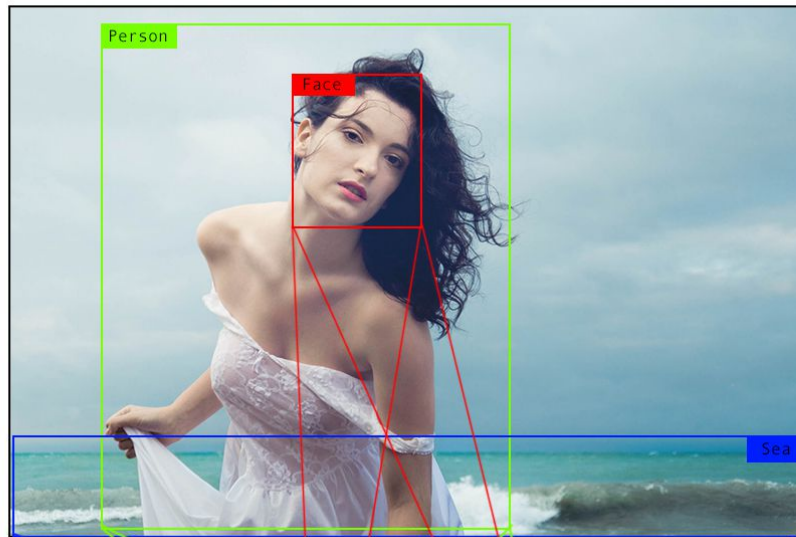
Light impacts the **Cornea**, getting through the **Anterior Chamber** which contains the **Aqueous Humor**; a liquid that nourishes the Cornea and the **Lens**. Once light passes through the lens, it gets reflected upside-down through the process known as **Accommodation**. Then, light travels across the **Vitreous Chamber** which contains the **Vitreous Humor** to finally end at the **Retina**; the area of the eye that contains a network of photoreceptors and interneurons responsible for sensing light.



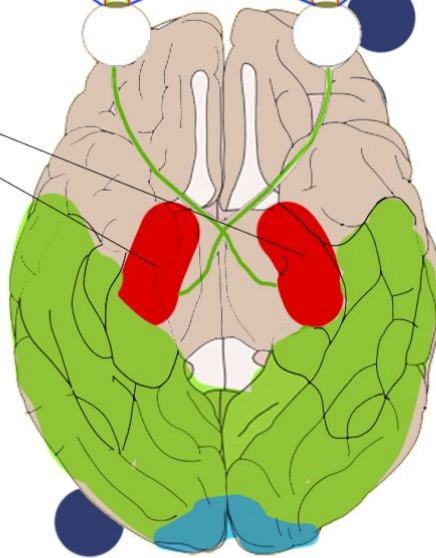








Fusiform  
Face Area



- The virtual integrated of the stimuli received is what we perceive as an image, the analysis of such stimuli happens in different regions.

- The Occipital lobe which is the primary visual cortex, receives information from the LGN and then begins to process the image.

- The parietal lobe contains part of the area V2 and the Extrastriate Cortex, which integrates the information and generates a sense of perception in movement "Where".

- The Temporal Lobe contains the Area IT and Area V4, which integrate input into the subjective experience of object recognition "What".

- As primates, we contain an area specialized for facial recognition, this area is the Fusiform Face Area.