**Human Vision - Parts of the Eye**

The human eye is an incredible and complex organ. It allows us to see the person sitting next to us, the words on this page, and mountains that are kilometers away.



**Pupil**:

**Iris**:

**Sclera**:



**Cornea**:

**Lens**:

**Vitreous** **Humor**:

**Retina**:

**Optic** **Nerve**:

**The Retina**

Cells on your retinas that react to light come in two basic shapes **\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_** and **\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

**\_\_\_\_\_\_\_\_\_** absorb almost any colour of light, but our brain does not use the signals from these to determine colour, just shades of light and dark. This is what is responsible for **\_\_\_\_\_\_\_\_\_ \_\_\_ \_\_\_\_\_\_\_\_\_\_\_** vision. It helps us see in **\_\_\_\_\_ \_\_\_\_\_\_\_\_** and helps us see **\_\_\_\_\_\_\_\_** and **\_\_\_\_\_\_\_\_\_\_\_\_\_\_**.

**\_\_\_\_\_\_\_\_\_\_** allow us to detect colour. We have three kinds of cone cells **\_\_\_\_\_**, **\_\_\_\_\_\_\_\_** and **\_\_\_\_\_\_\_\_**. Our brain combines and balances the different amounts light absorbed by the **\_\_\_\_\_**, **\_\_\_\_\_\_\_\_** and **\_\_\_\_\_\_\_\_** cones to make different colours. An equal amount of light absorbed by all three makes **\_\_\_\_\_\_\_\_\_\_** light. We see colour better in bright light because our cones are able to process more light into **\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_** to send to our brain.

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