**Chapter 6 - The Eye Review**

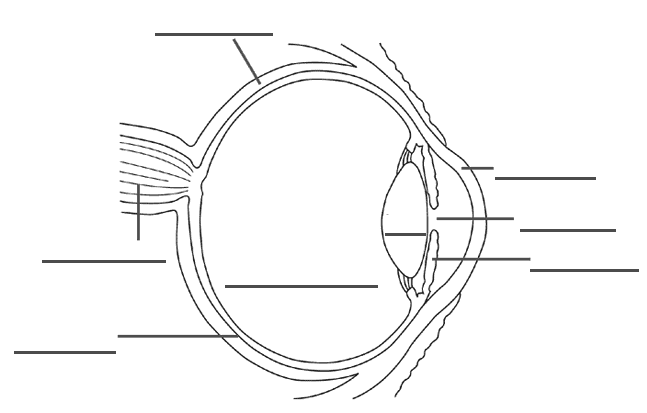
|  |  |
| --- | --- |
| **Part of the Eye** | **Function** |
| Sclera |  |
| Pupil |  |
| Iris |  |
| Cornea |  |
| Lens |  |
| Optic Nerve |  |
| Retina |  |
| Vitreous Humor |  |

What causes your blind spot?

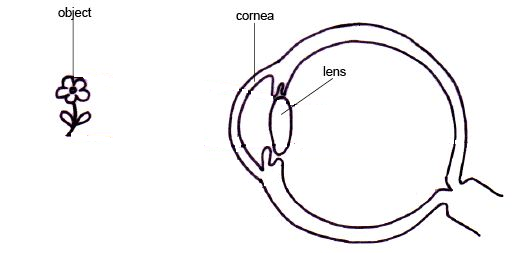
Where, in the eye, is your blind spot?

Why do we not see a blank spot in our vision all the time?

**Label the eye diagram**



**Use a ray diagram to show the image at the back of the eye**



What do rods do? What type of vision are they responsible for?

What do cones do? What type of vision are they responsible for?

How many different types of cones do you have?

What are the types of cones?

Your optic nerve sends what to the brain to be processed?

When a person is farsighted:

-They can see things \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

-The image is focused (before/behind) the retina.

-Can be corrected with:

When a person is nearsighted:

-They can see things \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

-The image is focused (before/behind) the retina.

-Can be corrected with:

When a person has astigmatism:

-The image is focused \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the retina.

-Can be corrected with:

Write a definition of blindness in your own words.

Describe:

Snow Blindness

Night Blindness

Colour Blindness

**Technologies**

Describe the parts of a camera and how they are similar to the parts of the eye.

How is laser light different from light from a light bulb?

How many lenses does a microscopes use. What are the names of the lenses?

Describe how the two different types of telescopes work.