

Name: _____

Date: _____

Eye Webquest

How Eyes Work

Visit the following website in order to answer the questions below.

<http://kidshealth.org/kid/htbw/eyes.html>

1. Why do we need eyelashes?
2. What is the sclera?
3. Why does the shape of the lens change?
4. How does the shape of the lens change?
5. Describe vitreous humour?
6. How many rods and cones do you have in each eye?
7. Name 2 things you can do to protect your eyes.
8. Why do our eyes tear?
9. Where are tears made?



Colorblindness

Visit the following website in order to complete the table.

<http://tjshome.com/colorblind.php>

10. What does it mean if someone is colorblind?
11. What percentage of men and women are colorblind?
12. Scroll down and find the link to the colorblind self test in order to assess your color perception.

Eye Disorders

Visit the following website in order to complete the table.

<http://www.nci.nih.gov/health/>

Find the disorder in the list, and click on the patient information fact page.

	Causes	Symptoms	Treatments
Cataracts			
Floaters			
Glaucoma			
Astigmatism			
Hyperopia (farsightedness)			
Myopia (nearsightedness)			

All About Braille

www.about.com
Search "Louis Braille"

13. What is Braille?
14. Who invented it? How old was he?
15. Describe how the inventor of Braille developed his idea.
16. Check out a simple version of the Braille alphabet. (www.brailleur.com/braille1.htm) Write your name in Braille.

Stereo Vision

Visit the following website in order to complete the table.

<http://www.vision3d.com/VTdocs.html>

17. What is vision therapy?

Click on "**What is it?**" underneath "**3D Vision**" on the left side of the screen.
18. Describe why we see in stereo vision.
19. What are the advantages of stereo vision?
20. What are tasks that people do that rely on stereo vision?

Scroll to the bottom of the page and click on "3D gallery." Click on "Hidden Image Stereograms." Test your ability and exercise your eyes!

21. Which images could you see?

If you can't see it after trying awhile go read about how to see the 3D images. Then go back and try again!

Done?

Now it's time to practice labelling the eye! See if you can get 100%.

www.purposegames.com/game/eye-anatomy-quiz

Then visit this site which has lots of "educational" fun games! <http://kids.discovery.com/gaming>