

Name \_\_\_\_\_

Date \_\_\_\_\_ Per \_\_\_\_\_

### Bill Nye: Eyeball

1. Our \_\_\_\_\_ help us focus on the world around us.
2. Our eyes let us, \_\_\_\_\_ see how far away things are, and how \_\_\_\_\_ things are.
3. Some scientists think the eye is part of the \_\_\_\_\_ because the \_\_\_\_\_ are so complicated.
4. The \_\_\_\_\_ is the clear part that light goes through.
5. The \_\_\_\_\_ changes how much light comes into our eyes.
6. The image is \_\_\_\_\_ until our brain turns it right side up.
7. The \_\_\_\_\_ help protect the eye and keep it moist.
8. Your \_\_\_\_\_ is about 20 cm long connects eye to brain.
9. The \_\_\_\_\_ is the part of the eye with the color, \_\_\_\_\_, \_\_\_\_\_ have more melanin.
10. The image is \_\_\_\_\_ if it doesn't focus in the right place.
11. The lenses change \_\_\_\_\_ to focus thing close and far away.
12. The lenses only change thickness \_\_\_\_\_ of an a millimeter.
13. \_\_\_\_\_ make an object focus on the right place in the eye.
14. The \_\_\_\_\_ is made of 2 kinds of cells rods and cones.
15. \_\_\_\_\_ see grays and low light. They are towards the \_\_\_\_\_ of the retina.

16. \_\_\_\_\_ see white light and color. They are on the \_\_\_\_\_ part of the retina.
17. \_\_\_\_\_ is lack of light sensitive pigments in the retina.
18. \_\_\_\_\_ people learn to use other senses to help them get around.
19. To figure out how far away a ball is your eyes become \_\_\_\_\_.
20. \_\_\_\_\_ come from glands above your eye and drain into your nose.
21. \_\_\_\_\_ million people in the US wear eyeglasses or contacts.
22. Babies are born with \_\_\_\_\_ eyes.
23. Each eye is the size of a \_\_\_\_\_ - \_\_\_\_\_ ball.
24. Having 2 eyes allows us to see in \_\_\_\_\_.

# Key

## Bill Nye: Eyeball

1. Our eyes help us focus on the world around us.
2. Our eyes let us see colors, see how far away things are, and how big things are.
3. Some scientists think the eye is part of the brain because the nerves are so complicated.
4. The lens is the clear part that light goes through.
5. The iris changes how much light comes into our eyes.
6. The image is upside down until our brain turns it right side up.
7. The eyelids help protect the eye and keep it moist.
8. Your optic nerve is about 20 cm long connects eye to brain.
9. The iris is the part of the eye with the color, darker eyes have more melanin.
10. The image is blurry if it doesn't focus in the right place.
11. The lenses change shape to focus things close and far away.
12. The lenses only change thickness one tenth of an mm.
13. Glasses make an object focus on the right place in the eye.
14. The retina is made of 2 kinds of cells rods and cones.
15. Rods see grays and low light. They are towards the outside of the retina.
16. Cones see white light and color. They are on the inner part of the retina.
17. Color blindness is lack of light sensitive pigments in the retina.
18. Blind people learn to use other senses to help them get around.
19. To figure out how far away a ball is your eyes become cross eyed.
20. Tears come from glands above your eye and drain into your nose.
21. 100 million people in the US wear eyeglasses or contacts.
22. Babies are born with blue eyes.
23. Each eye is the size of a ping-pong ball.
24. Having 2 eyes allows us to see in 3-D.