

Hf

Hocus focus!

SPEC-TACULAR ACTIVITIES THAT WILL
IMPROVE YOUR EYE-Q!

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ISSUE #2

OPTICAL ILLUSIONS,
JOKES,
TEST YOUR
COLOR PERCEPTION
AND SOME
WEIRD BUT
TRUE FACTS ABOUT
YOUR EYES.



TAKE A CLOSE LOOK
AT THE PICTURE
SHOWN HERE.
DOES IT APPEAR TO BE
MOVING?

WE'LL TELL YOU WHY
INSIDE :)

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TEST YOUR EYE-Q?

How many cartoon characters can you identify on this chart?



There was a big monster called Ned
Who had eyes at the back of his head.
When asked where he's going
"I've no way of knowing.
But I know where I've been to," he said.

WEIRD BUT TOTALLY TRUE!

EYEBALL FACTS

TRUE!

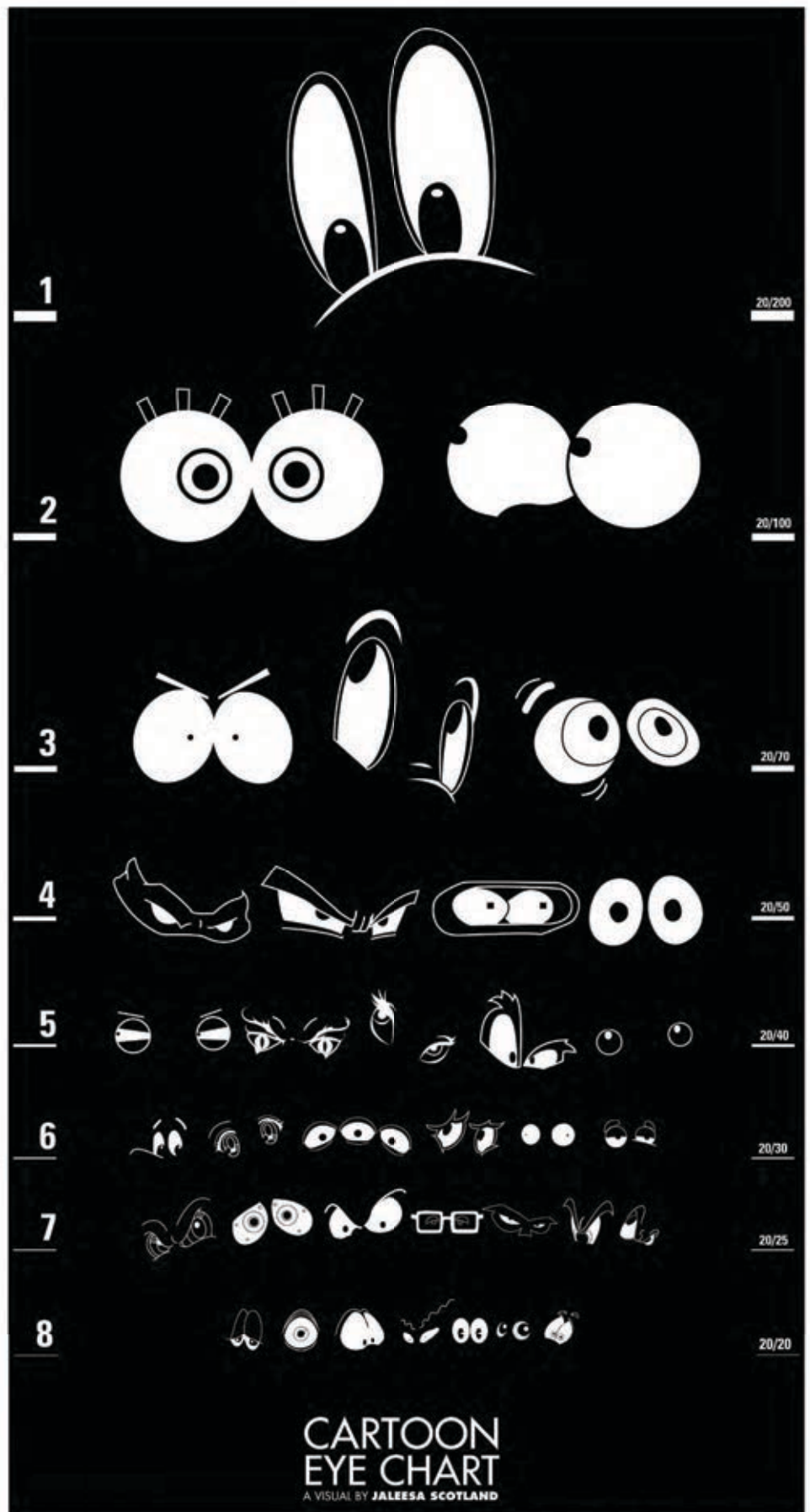
Your eyes are composed of more than 2 million working parts.

TRUE!

The average person blinks 12 times per minute or about 10,000 times during an average day.

TRUE!

The entire length of all the eyelashes shed by a human in their life is over 98 feet!



CARTOON
EYE CHART
A VISUAL BY JALEESA SCOTLAND

Answers: 1. Mickey Mouse 2. Spongebob 3. Cartman 4. Bugs Bunny 5. Fred Flintstone 6. Sailor Moon 7. Eyd Alien (Toy Story) 8. Meatwad 9. Pink Panther 10. Bucky O'Hare 11. Wail-E 12. Slimmer 13. Velma (Scooby Doo) 14. Brak 15. Tom and Jerry 16. Donald Duck 17. Droopy Dog 18. Mike (Monsters Inc) 19. Zipper 20. Beavis 21. Felix the Cat 22. Powerpuff Girls 23. Rodger Rabbit

MOTION ILLUSION

There are many theories about why we see motion in some pictures and here is just one of them.

We know the spirals on the right can't possibly be moving so why do they seem to start swirling out of the side of our vision?

When we want to look at something, we look towards it with the MACULA which is the part of the eye that gives you the sharpest vision. Other parts around the MACULA do not see as much detail. These other parts sort of guess what's there but they don't really have the best picture.

Since we have learned that spirals turn, when we see these shapes from the side of our vision, our brain tells us it must be moving because it can't see well enough to know it's not. So when we look right at the moving shapes, they stop moving because our MACULA gives clear information that it is not.



JOKES! JOKES! JOKES!

Q: Why did the teacher wear sunglasses?

A: Because his class was so bright!

Q: Why were the teacher's eyes crossed?

A: She couldn't control her pupils!



Emerson Moser, who was Crayola's senior crayon maker revealed at the end of his life that he was blue-green colorblind and couldn't see all of the colors!

TOO CUTE
ANIMALS IN GLASSES!



FRAME DESIGN'R



Can you draw your own cool frame ideas on the eyes below?





BY DR. SUMMY

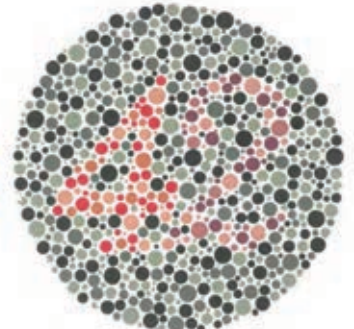
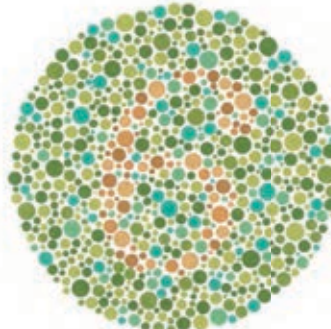
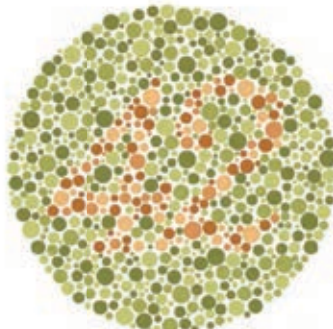
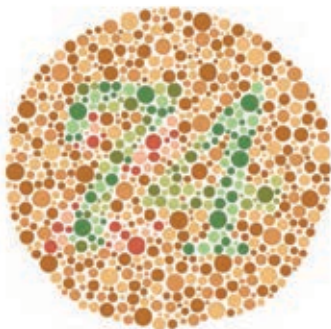
WHAT IS COLOR BLINDNESS?

If your clothes don't match, someone might have teased you about being color blind. But some people really are color blind. It doesn't mean they can't see any color at all, like a black and white movie. **It means that they have trouble seeing the difference between certain colors.**

Color blindness is almost always an **inherited** trait, which means you get it from your parents. You get inherited traits **through genes**, which determine everything about your body, including how tall you'll be and whether your hair will be straight or curly.

Eye doctors can test for color blindness by showing a picture made up of different colored dots, like the ones below. Someone who can't see the picture or number within the dots may be color blind. **Be sure to try the Color Blind Self-Test below and see how you do!**

Boys are far more likely to be color blind. In fact, if you know 12 boys, one of them is probably at least a little color blind. So, girls, the next time a boy asks you if something matches, you'd better lend him a hand!



Answers: 74, 42, 6, 42

Credit: http://kidshealth.org/kid/talk/qa/color_blind

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