



Visual Art Virtual Learning

Art 1 - Optical Illusions

April 13, 2020

Art 1

LESSON: April 13, 2020

Objective/Learning Target: Learning about how optical illusions work.

WHAT ARE OPTICAL ILLUSIONS?

- ✗ INVOLVES AN APPARENTLY INEXPLICABLE DISCREPANCY BETWEEN THE APPEARANCE OF A VISUAL STIMULUS AND ITS PHYSICAL REALITY
- ✗ VISUALLY PERCEIVED IMAGES THAT ARE DECEPTIVE OR MISLEADING



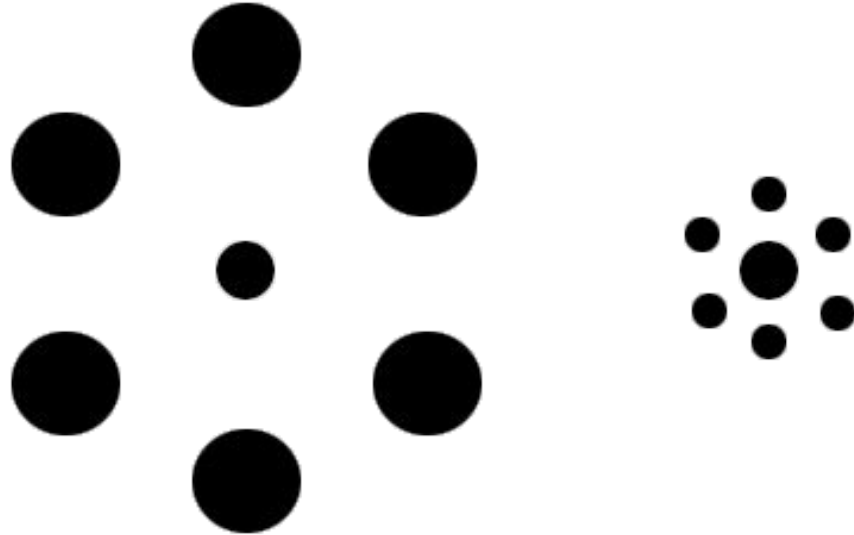
LET'S TRY A FEW...

ON THE NEXT FEW SLIDES, YOU'LL SEE SOME OPTICAL ILLUSIONS. YOU'LL HAVE TWO CHOICES OF THE RIGHT ANSWER. THE SLIDE AFTER WILL SHOW YOU THE RIGHT ANSWER. DON'T SKIP AHEAD TO FIND OUT AND MOST IMPORTANTLY, HAVE FUN!



ILLUSION #1

WHICH CENTER CIRCLE IS BIGGER?



A

B

Answer: They are both the same size.

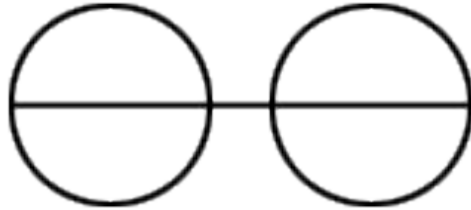
THE OPTICAL ILLUSION IN THIS PICTURE MAKES FIGURE B APPEAR TO HAVE THE LARGER CENTER CIRCLE. THIS IS MOST LIKELY DUE TO THE SMALLER CIRCLES AROUND IT AND THE FACT THEY ARE CLOSER TO THE MIDDLE CIRCLE.



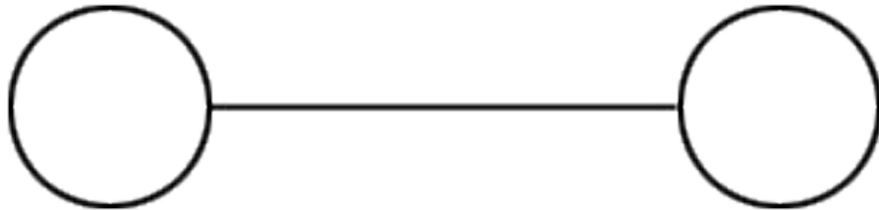
ILLUSION #2

WHICH LINE IS LONGER?

A



B



Answer: They are both the same size.

THE OPTICAL ILLUSION IN THIS PICTURE MAKES FIGURE B APPEAR TO HAVE THE LONGER LINE. THIS IS MOST LIKELY DUE TO THE CIRCLES BEING ON THE END OF THE LINE INSTEAD OF OVERLAPPING.



**READY FOR YOUR EYES TO BE TRICKED?
STARE AT THE CENTER FOR 15 SECONDS. THEN
GO TO THE NEXT SLIDE.**



WHO DID YOU SEE? OBAMA?

YOU HAVE MICROSCOPIC RODS AND CONES IN YOUR EYES. THE CONES ARE USED TO LOOKING AROUND, AND CAN BECOME OVERWORKED WHEN YOU FORCE YOUR EYES TO STARE AT THE SAME OBJECT. SO WHEN YOU LOOK AWAY FROM THE IMAGE, THESE TIRED CONE CELLS ARE A BIT WORN OUT. THEY DON'T TELL YOUR BRAIN WHAT THE NEW COLOR (LIKE THE WHITE OR TAN ON YOUR WALL) IS, AND YOUR BRAIN STILL INTERPRETS THE OLD INFORMATION SINCE IT HASN'T RECEIVED A STRONG, FRESH SIGNAL. JUST GIVE IT A FEW MOMENTS AND THE EFFECT WILL WEAR OUT.



PRACTICE:

GOOGLE OPTICAL ILLUSIONS AND LOOK THROUGH A FEW OTHER EXAMPLES. THERE ARE MANY OUT THERE.

TOMORROW WE WILL LEARN ABOUT MAKING OUR OWN OPTICAL ILLUSION!



HOW TO SHOW US YOUR CREATIONS...

*BE BOLD, BE SAFE, and
TAKE CARE OF YOU!*

*All the best,
Ms. Bown*

We'd love to see
your work!!!

Email your art teacher and
be sure to tag your
principal as well.

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