

Name: _____

Date: _____



GENIUSCHALLENGE

LIGHT REFLECTION & VISION

1. How does light move?

- a. zig zag b. up and down c. scattered d. straight line

2. To aim the light at the balloon behind the sign, Zoe uses what?

3. True or false: to pop the balloon that Bert hides behind the sign, Izzy and Zoe bend the light.

4. True or false: a black object does not reflect any light. _____

5. Why is the image inside the camera obscura upside down?

6. Why don't we see everything upside down?

7. Which of these does not use light reflection to work?

- a. CD b. Blu-ray disc c. DVD d. Car

8. How do fiber optic cables work?

9. How can an out-of-focus image reflected in the camera obscura be brought into focus?

10. BONUS: On the back of this page, sketch and label a diagram showing how the doll house illusion works.