

NAME _____

TESTING AND DEMONSTRATING BASIC PRINCIPLES OF LIGHT

In what direction does light travel?

Record your initial answer to this question.

Use a flashlight to test your answer. Describe how you can demonstrate or prove light directionality to students.

What is the result of blocking light—what do you “see” as a result of blocking light?

Record your initial answer.

Use the flashlight to test your answer. Describe how you can demonstrate what happens to students.

What does a mirror do to light?

Record your initial answer.

Use a flashlight and a mirror to test and demonstrate your answer. Describe how you can demonstrate what happens to students.

On the back of this sheet, describe procedures you could have students follow to explore and learn about the direction light travels, blocking light energy, and using mirrors to redirect light.

If you need some inspiration or confirmation, look at this link for more information on light--

http://www.opticalres.com/optics_for_kids/kidoptx_p1.html

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Discovering and testing light directionality

Possible student activities/procedures

Blocking light energy—exploring shadows and how they work

Possible student activities/procedures

Using mirrors to redirect light—exploring reflection

Possible student activities/procedures