Shining Light

Procedure

1. **Collaborate** Work with a partner. Hold a sheet of paper about 10 cm above a table. Ask your partner to shine a flashlight straight down onto the paper.

2. **Observe** Observe the light on the paper. See if light from the flashlight is shining anywhere else. Record your observations on the lines below.

   

3. Hold a mirror above the table. Again, have your partner shine the flashlight straight down onto the mirror.

4. **Record Data** Observe the light on the mirror. Look to see if the light shines anywhere else. Record your observations on the lines below.

   

5. Hold a piece of clear plastic wrap while your partner shines a flashlight over it.

6. **Observe** Observe the light on the plastic wrap. See if the light shines anywhere else. Record your observations on the lines below.

   

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*Student Resources*

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Conclusion

Write the answers to the questions below.

1. **Analyze Data** Describe how the light acted when you shined it on the paper, on the mirror, and on the plastic wrap.

2. **Hypothesize** Write a hypothesis to explain why the light acted differently each time.

**Investigate More!**

**Design an Experiment** Predict how the light would look if you shined the flashlight on wax paper, aluminum foil, and a glass of water. Test your predictions.