



Ways of Reflecting

Procedure

- 1. Collaborate** Work with a group. The room should be dim. Place a mirror on the table. Hold a lighted flashlight at an angle and point it at the mirror. Record your observations. **Safety:** Do not shine the flashlight into anyone's eyes. Wear goggles.

- 2. Predict** As you hold the lit flashlight, another student will spray a mist of water through the rays of light. Predict what the path of the light will be. Then test your prediction. Make a diagram to show what you observe about the path of the light.

- 3. Observe** Have another student hold a sheet of black construction paper so the light coming from the mirror shines on the paper. Make another diagram to show what you observe.

Name _____ Date _____

Conclusion

1. Did the light travel in a curved path or in a straight line after striking the mirror?

2. **Compare** How did the light's path change when the black paper was held up in step 3?

3. **Ask Questions** With your group, brainstorm a list of questions about mirrors and the effect they have on light.

Ask Questions

Guided Inquiry

What materials behave like mirrors? Make a list of some examples and ask questions about them. Try to infer what traits they share that cause them to act like mirrors.