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.
Ask Questions

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.