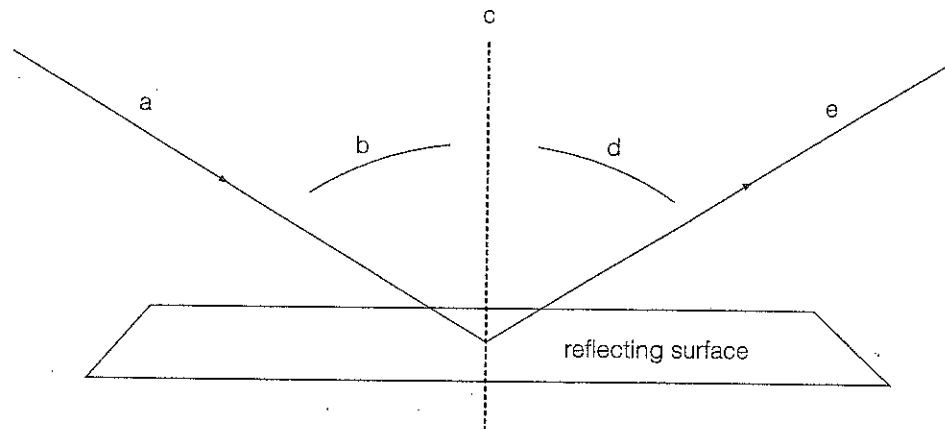


Goal • Use this page to review your understanding of light rays.

What to Do

1. Label the diagram below using the following terms: reflected ray, angle of reflection, angle of incidence, incident ray, and normal.



- (a) _____
 (b) _____
 (c) _____
 (d) _____
 (e) _____

2. Measure the two angles with your protractor.

Angle of incidence = _____ Angle of reflection = _____

3. Compare the sizes of the angles of incidence and reflection.

Continue

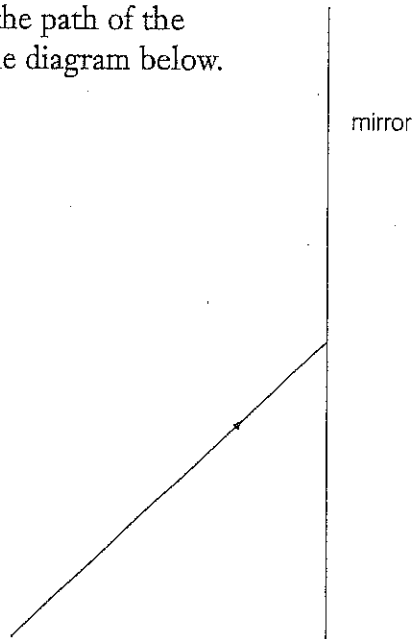
on

CHAPTER 7
REINFORCEMENT

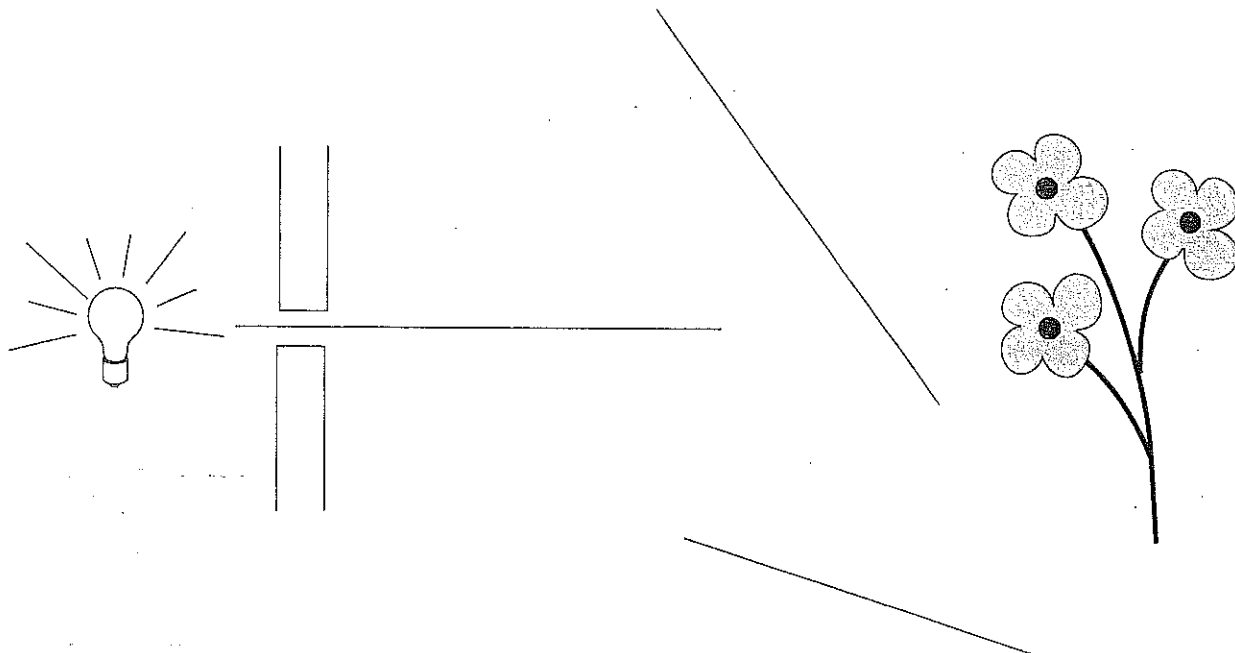
BLM 7-10

Reflection: Ray Diagrams (continued)

4. Use the law of reflection to draw the path of the reflected ray from the mirror in the diagram below.



5. The diagram below shows a light ray coming through an opening and directed at two mirrors, and three flowers. Use the law of reflection, your ruler, and your protractor to draw the light ray as it bounces from one mirror to the next. Which of the three flowers will be hit by the light?

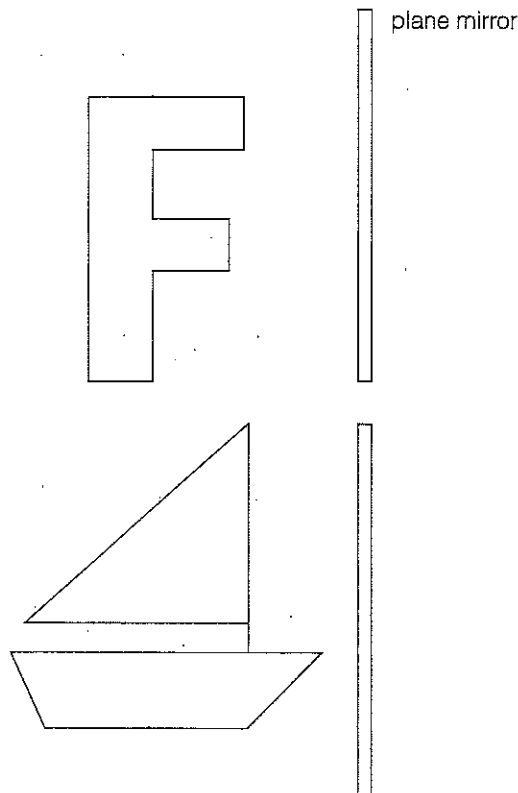


What You See Is What You Get

Goal • Use this page to reinforce your knowledge of the principles of reflection.

What to Do

- Use a ruler to draw the reflected images of the objects below.



- Were there any differences between the object and its image in the plane mirror with respect to:

(a) size?

F _____ Sailboat _____

(b) distance from the mirror?

F _____ Sailboat _____

(c) orientation?

F _____ Sailboat _____

Goal • Decipher some reflected images to review the laws of reflection.

What to Do

- Use a mirror to try to read the three messages below, then answer the questions.

What is the main
 difference between
 an object and its
 reflection in a plane
 mirror?

?egami rorrim a siht sl

Wsdrt dsqqeneb here?

Questions

1. Which of the messages is a true reflection in a plane mirror?

2. How were the other messages made?

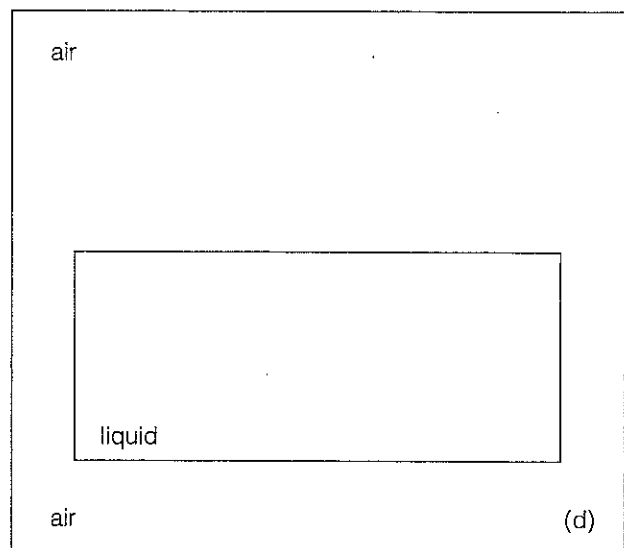
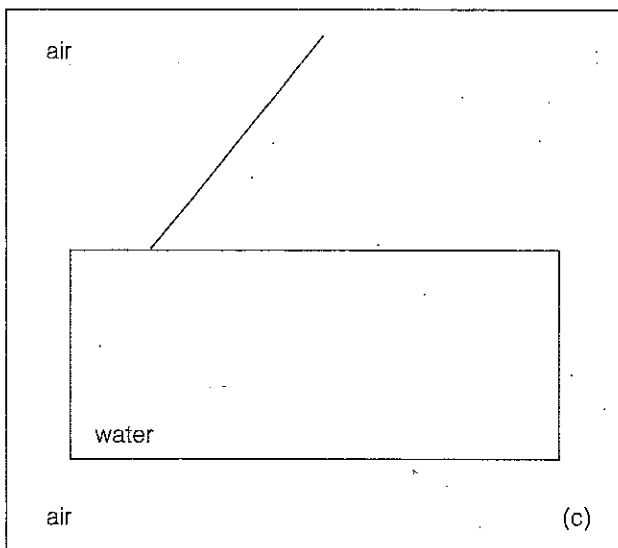
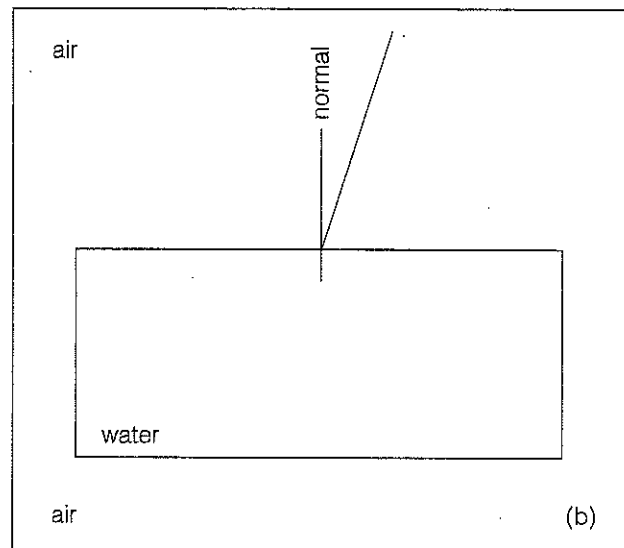
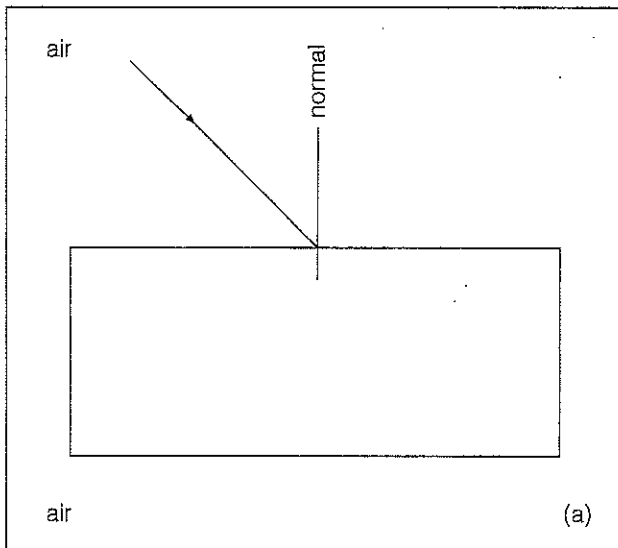
3. What capital letters look the same in the mirror?

Ray Diagram Template

Goal • Use this page to draw ray diagrams for your results from Investigation 7-D: Follow That Refracted Ray!

What to Do

- Use the following outlines to represent the trays you use in Conduct an Investigation 7-D: Follow That Refracted Ray!



On a separate page, write the answers to the Analyze and Conclude and Apply questions from your textbook.