

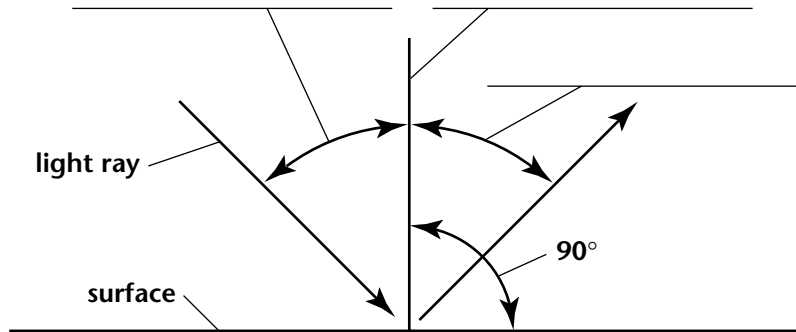
**Chapter 18**

**REINFORCEMENT**

**● Reflection and Mirrors**

Use items from the box to complete the diagram. Then complete the sentence that describes the diagram.

angle of incidence  
angle of reflection  
the normal



The *law of reflection* states that the \_\_\_\_\_ of \_\_\_\_\_ is equal to the \_\_\_\_\_ of \_\_\_\_\_.

Complete each item.

1. Light rays reflect off a rough surface.
  - a. Do the rays reflect in many directions or few? \_\_\_\_\_
  - b. What type of reflection is this? \_\_\_\_\_
2. Light rays reflect off a smooth surface.
  - a. Do the rays reflect in many directions or few? \_\_\_\_\_
  - b. What type of reflection is this? \_\_\_\_\_
3. A mirror has a flat reflecting surface. What kind of mirror is this? \_\_\_\_\_
4. A mirror has a reflecting surface that is curved inward. What kind of mirror is this?  
\_\_\_\_\_
5. A mirror has a reflecting surface that is curved outward. What kind of mirror is this?  
\_\_\_\_\_

Label each diagram as a plane mirror, a concave mirror, or a convex mirror.



\_\_\_\_\_