

Chapter 3

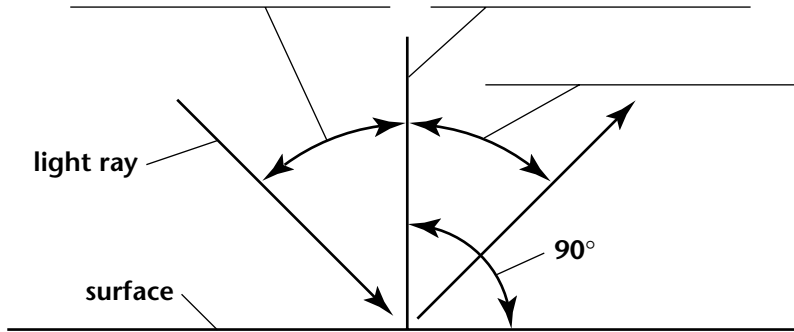
Use with Section 2

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.