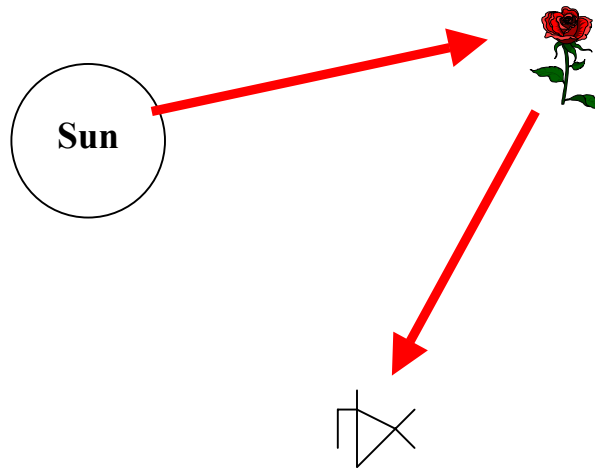


Seeing a Flower

Below is a schematic diagram of the Sun, a flower, and a human eye. Draw arrows between any pairs of objects, in any direction, to indicate how one sees the flower.



What these arrows mean may differ from student to student. What do *your* arrows mean?

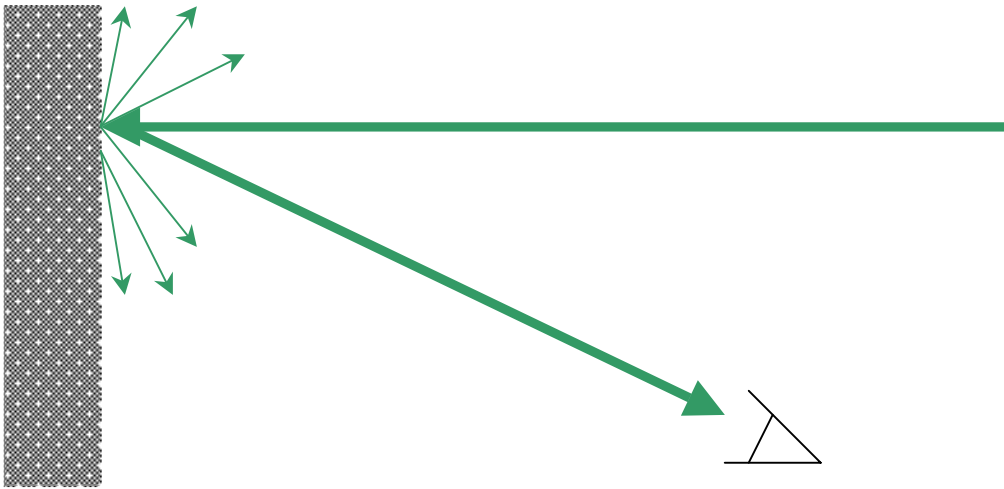
In this class, light rays always refer to the transfer of light from one place to another. Light rays are never used to indicate the “direction I’m looking.”

Light is required to see. In a completely dark room, your eyes cannot “adjust” to see objects.

To see, the eye does not “reach out and grab” objects. The eye is only a receiver of light. Therefore, the eye must be in the right place to “catch” incoming light.

Seeing Laser Light

1. Draw a similar diagram for laser-beam demonstration. Show how one can see the spot on the wall but *not* see the laser beam in the air. Explain your diagram.



2. The instructor sprays the laser beam with “fogger.” Repeat the above diagram. Show how one can see the spot on the wall and the laser beam in the air. Explain your diagram.

