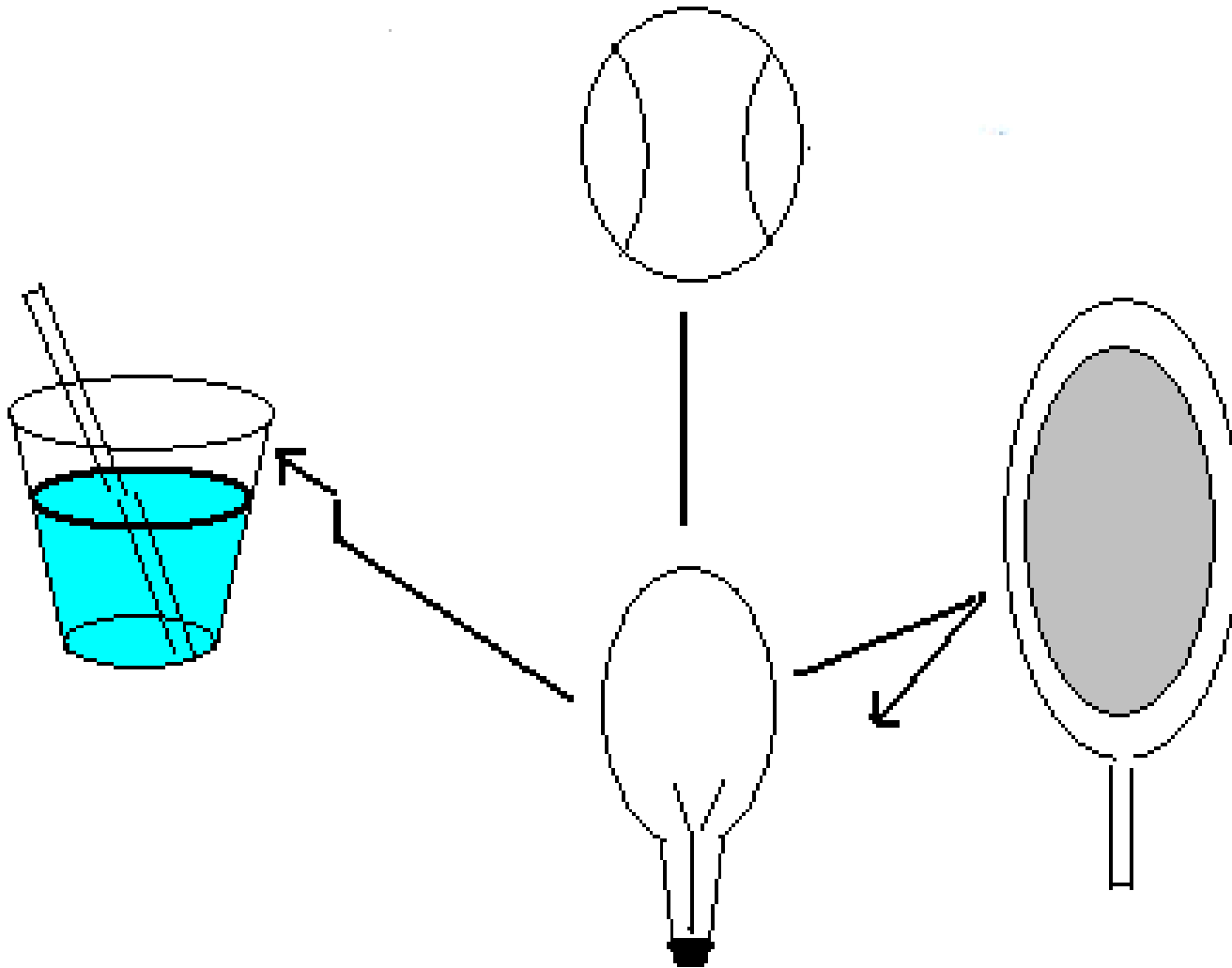


Describe refraction, reflection and absorption of light.

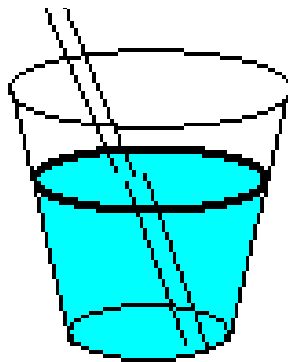


Describe refraction, reflection and absorption of light.

Refraction

Occurs as light waves pass from one medium to another medium.

Bending Light



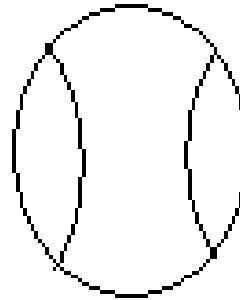
Observe light refraction with a spoon or straw in a clear glass of water.

Go into a pitch black room where objects are not seen. Slowly allow more light into the room. At what point are colors visible?

Absorption

The object appears the color of the light it does not absorb.

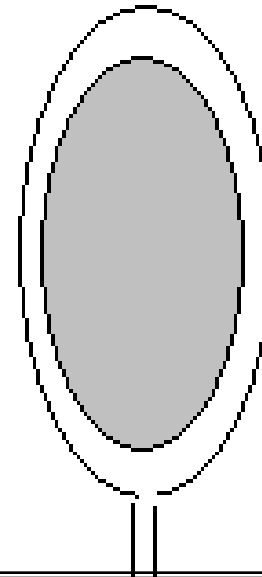
Colors are seen



Reflection

Light is reflected at the same angle that it hits the surface.

Bouncing Light



Observe reflection with light bouncing off a mirror at the same angle it hits. Also compare your reflection in the convex and concave side of a spoon. Would a dentist use a convex or concave lens?

INFORMATION PIECES – Light & Energy 2

<p>Refraction LE-2</p>
<p>Occurs as light waves pass from one medium to another medium. LE-2</p>
<p><i>Bending Light</i> LE-2</p>
<p>Reflection LE-2</p>
<p>Light is reflected at the same angle that it hits the surface. LE-2</p>
<p><i>Bouncing Light</i> LE-2</p>
<p>Absorption LE-2</p>
<p>The object appears the color of the light it does not absorb LE-2</p>
<p><i>Colors are seen</i> LE-2</p>