

Effect Bending Light Lab

Name: EST Date:

Complete this bending light experiment.

Before/After/Conclusion/Questions/Procedure/Summary/Notes/Extra

What are "bending light"?

1. How would you be observing what is going on? What do you measure?

Sketch the ray incident on light ray surface (mediums):

1. Add the name of materials. Label on the beam points by drawing the rays. Describe what happens to the beam as it hits the glass.

Sketch of the light beams, with incident and refracted rays.
Sketch of the light beams, with incident and refracted rays.

2. Label up and sketch ray reflected by perpendicular ray (normal) and the angle of reflection.

Sketch of light ray that strikes a surface.

Reflected ray: Ray of light that bounces back from the surface of reflection.

Reflected ray: Ray of light that bounces back from the surface of reflection.

Sketch of light ray that bounces back from the surface of reflection.



3. How do the incident and "reflected" rays differ? (What angle compared to the incident angle is the angle of reflection? What angle compared to the incident angle?)



Angle of incident ray is equal to the angle of reflection.

The reflected ray is different from the incident ray. It is different in the medium, angle of incidence and the material the light is going through.

Phet Bending Light Lab Answers

Barbara Taylor

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the author's name.

Phet Bending Light Lab Answers:

Bouncing and Bending Light Barbara Taylor, 1989 Presents projects and experiments demonstrating the effects of mirrors and lenses on rays of light

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