

Blackboard Optics Demonstrations

Before the optics demonstrations you need to use the textbook and write definitions for the following terms:

Reflection: _____

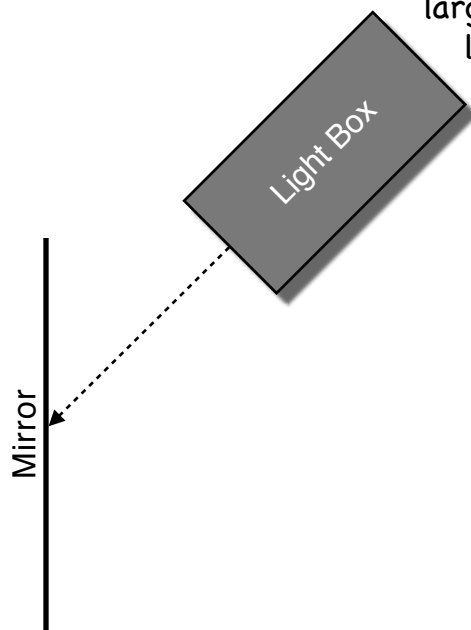
Refraction: _____

Diffraction: _____

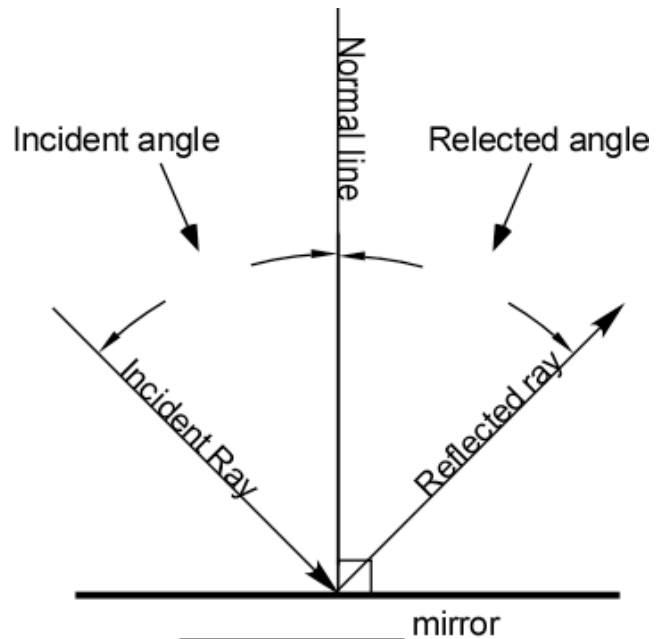
Converge: _____

Diverge: _____

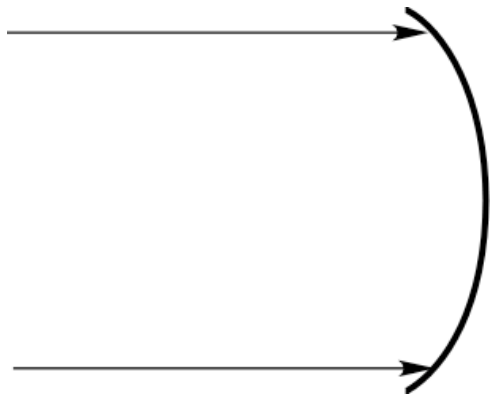
Make sketches onto the various lens and mirror shapes based on what you see on the larger size shapes. Use a pencil and ruler to draw straight lines that look like the larger size shapes. Put the name of each shape in the space provided.



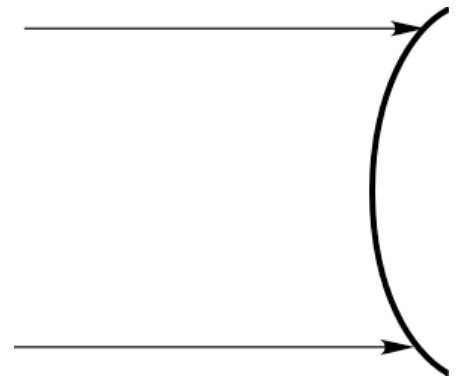
_____ mirror #1



Law of Reflection:

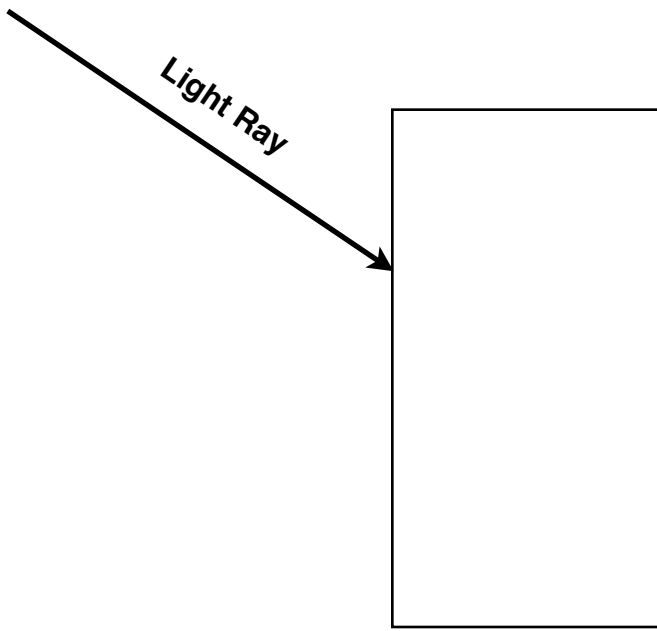


_____ mirror #2

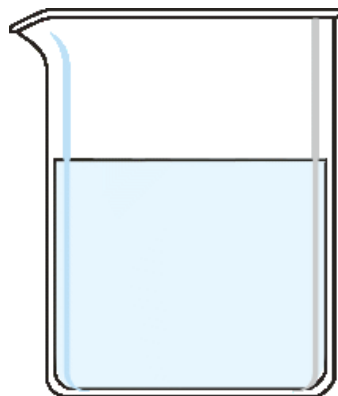


_____ mirror #3

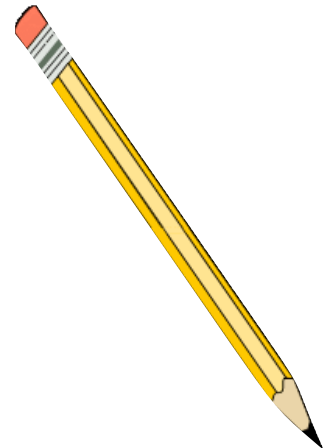
Refraction Examples



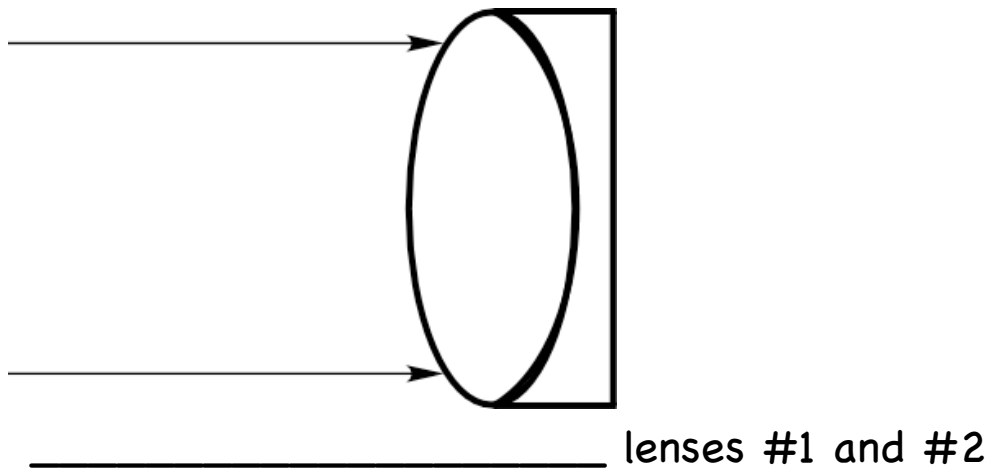
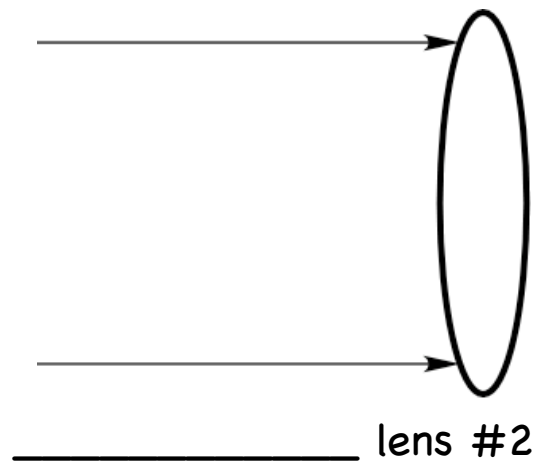
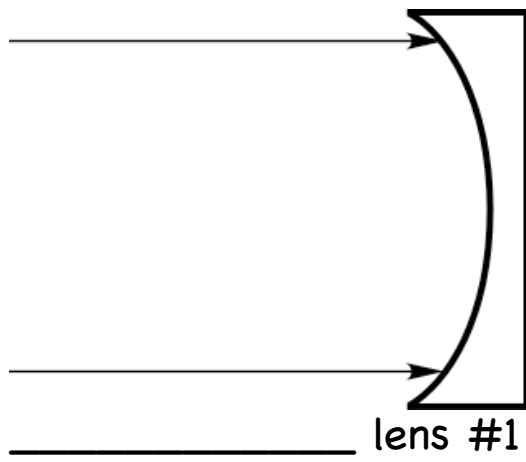
Plastic Block



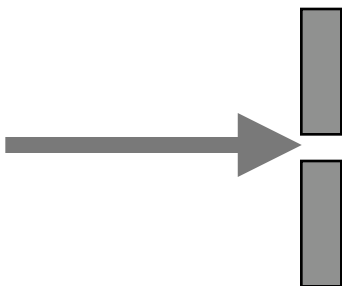
Beaker with Water and Pencil



Pencil



Diffraction through opening



Diffraction around barrier

