

Ray Box

Name: _____

Your mission: To discover how light interacts with mirrors and lenses of different shapes.

Your materials: Ray box, slit screen, plane mirror, concave mirror, convex mirror, concave lens, convex lens.

Words to use in your notes: light rays, converging (come together), diverging (spread apart), reflection, refraction, angle of incidence, angle of reflection

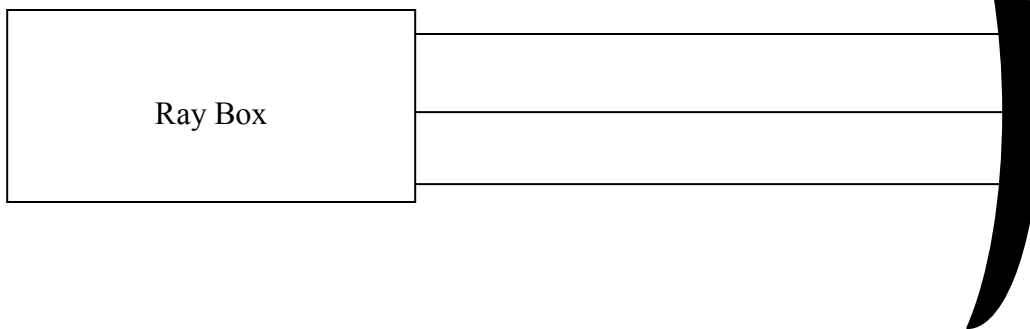
Observations:

Plane mirror:



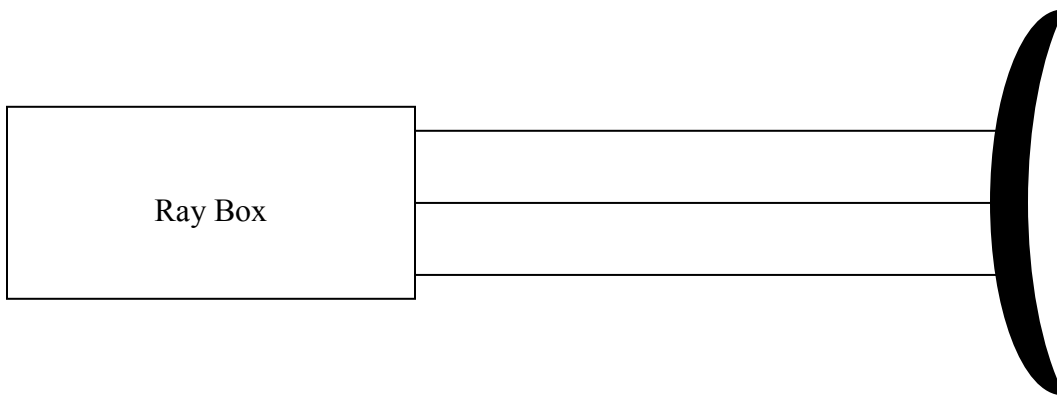
Notes:

Concave Mirror:



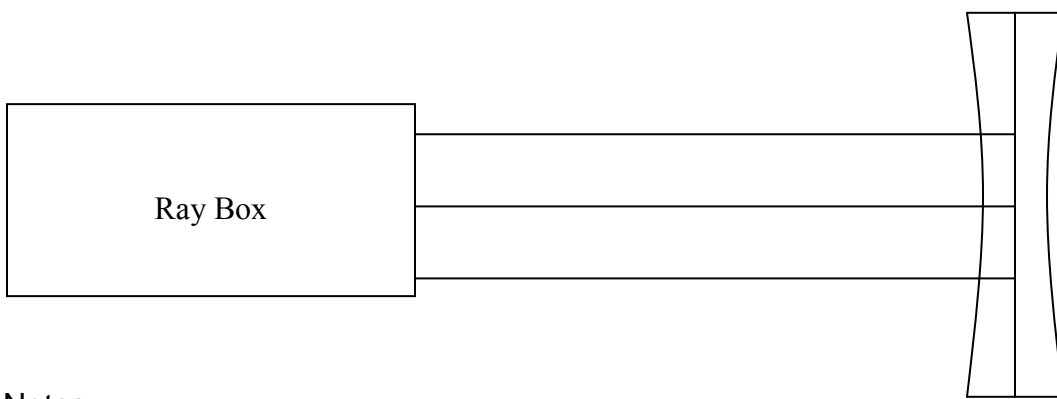
Notes:

Convex Mirror:



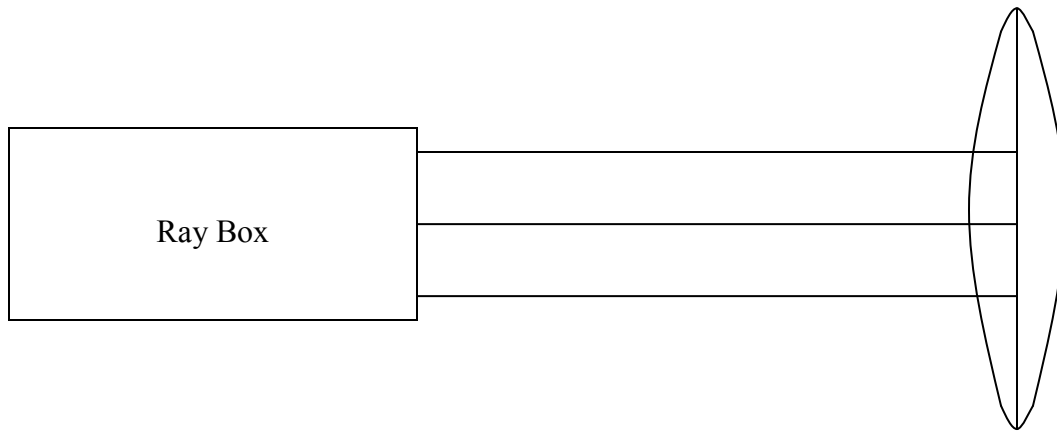
Notes:

Concave Lens:



Notes:

Convex Lens:



Notes:

Summary:

Type	Reflect/Refract	Converge/Diverge/Neither	Used for (<i>try your textbook</i>)
Plane Mirror			
Concave Mirror			
Convex Mirror			
Concave Lens			
Convex Lens			

Create your own combination of lenses and mirrors and draw the path of the light ray below: