

Thursday, February 28/13  
Science 122

Announcements
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1. Progress Reports
  2. Worksheet - Mirror Problems - Red Text (in yellow duo-tang)
  3. Convex and Concave Lenses
  4. Lenses - Ray Diagrams - Continue Tomorrow
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5. Lens and Magnification Equations

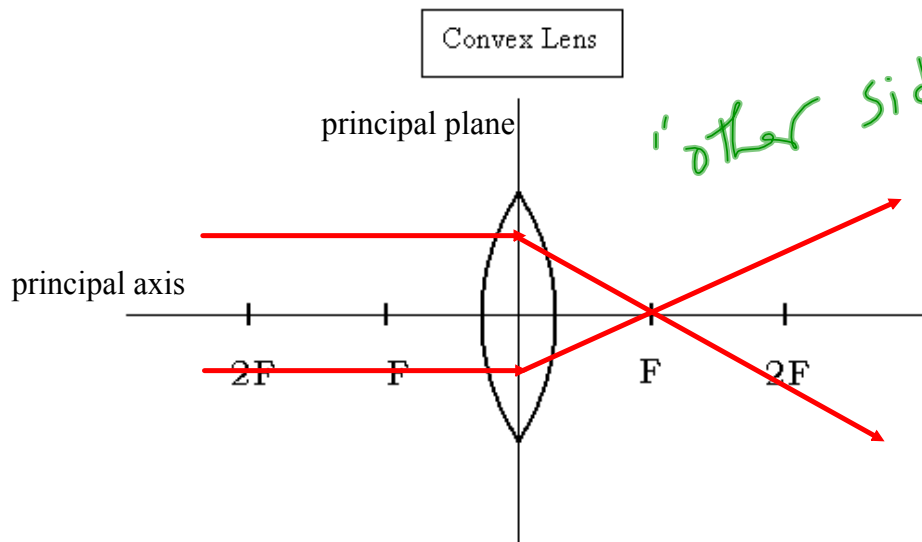


# Lenses

A lens is made of transparent material such as glass or plastic with a refractive index larger than that of air. The focal length of a lens depends on its shape and on the refractive index ( $n$ ) of the lens material.

## Convex Lens

1. A convex lens is a converging lens.
2. It is thicker at the center than at the edges.
3. It refracts parallel light rays so that they converge at the focal point of the lens.



## Convex Lens - Ray Diagrams

