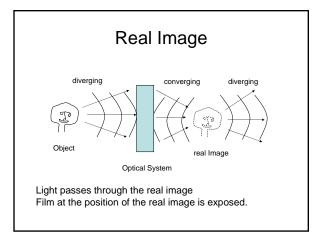


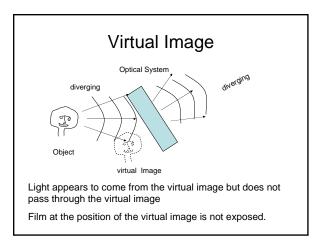
4.1 Images formed by Mirrors and Lenses

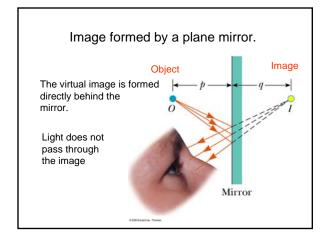
- Images
- Image formation by mirrors
- Images formed by lenses

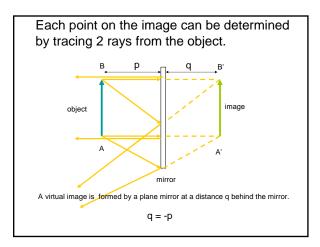
## **Object-Image**

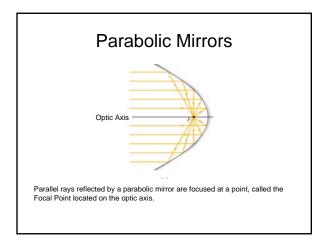
- A physical object is usually observed by reflected light that diverges from the object.
- An optical system (mirrors or lenses) can produce an image of the object by redirecting the light.
  - Real Image
  - Virtual Image

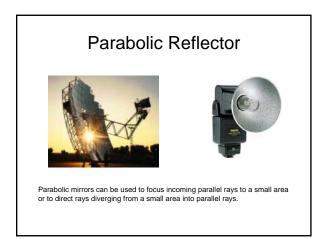


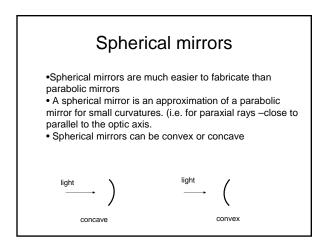


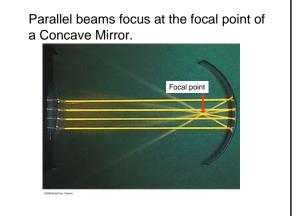


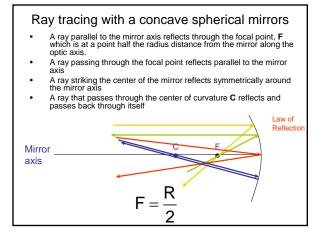


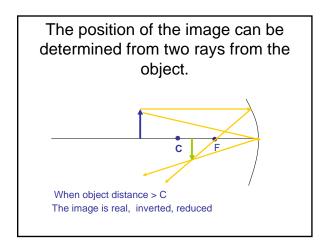


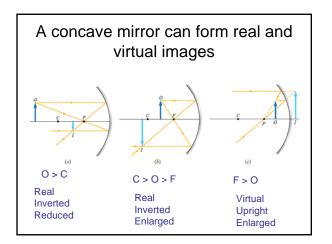


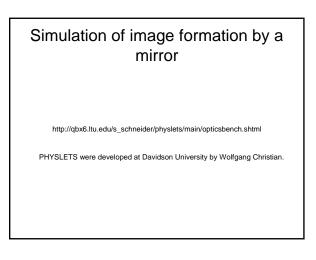


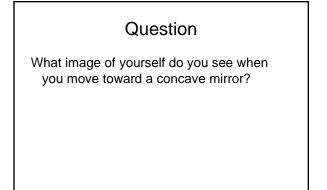










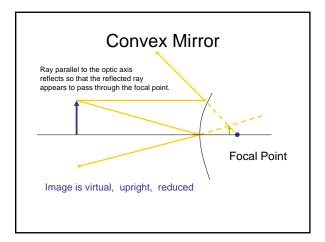


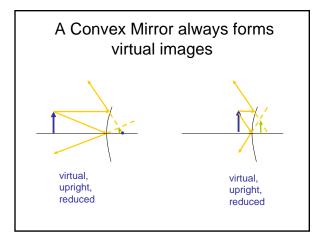


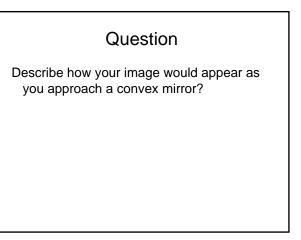








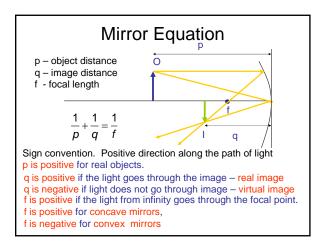


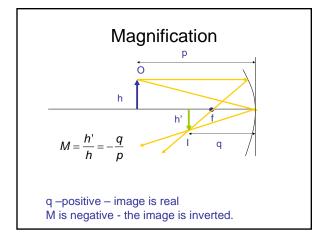


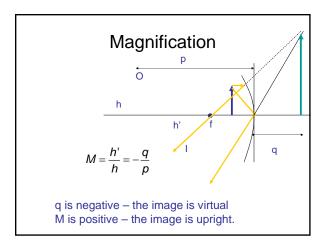


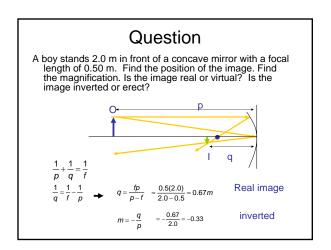


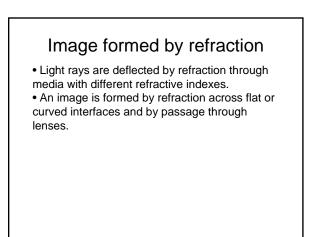


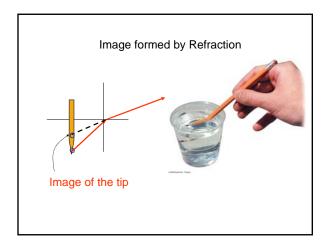


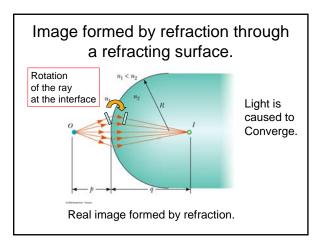


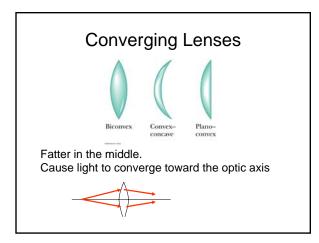


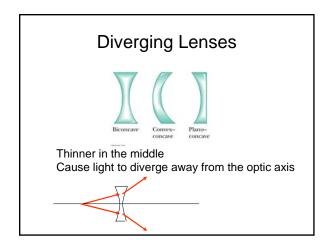


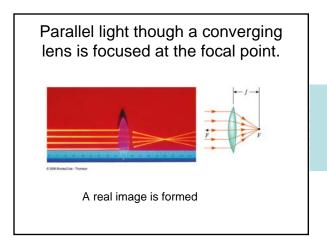


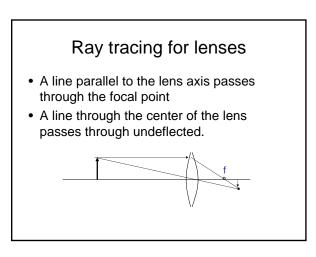


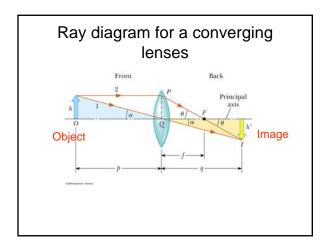


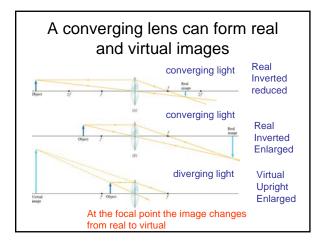












## Question

How will an object viewed through a converging lens appear as the lens is brought closer to the object?

