

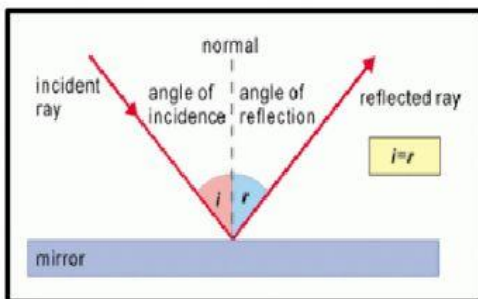
## Lesson 7: How does light bounce and bend? (Mirror)

**Image:** is a picture of light source that light makes when it bounces off a shiny surface.



When light hits a mirror, it will reflect. We have three types of mirror:

a. Flat mirror	b. Concave mirror	c. Convex mirror



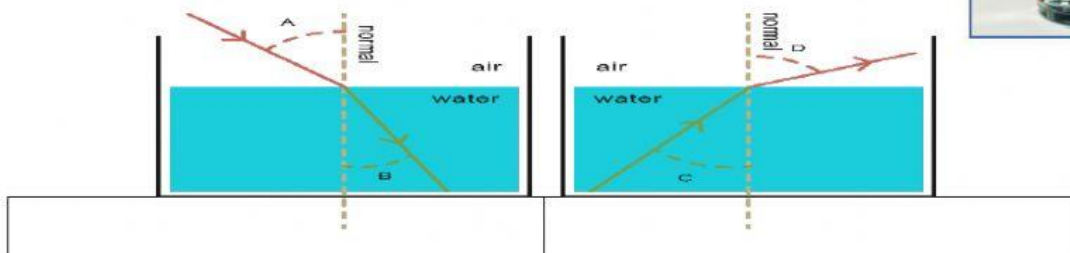
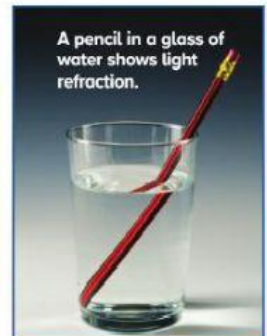
**Law of reflection** Angle of incidence = Angle of reflection

## Light can Bend (Lenses)

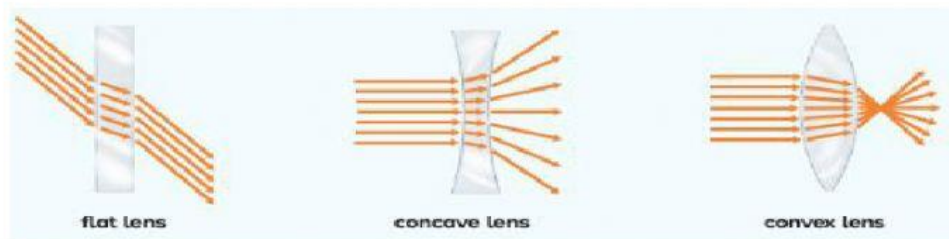
- ✓ **What you see when you place object in water**  
 Refraction: is the bending of waves as they pass  
 From one medium into another.

The pencil appears to bend.

The light from the object is  
 bending not the object itself



## Lenses



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### Uses of Lenses:



●  
Telescopes

●  
Eyeglass

●  
cameras

●  
lenses

### Uses of mirror:

Flat mirror	Concave mirror	Convex mirror



Dressing  
room



Car side  
mirror



makeup



Security shop  
or street mirror



dentist