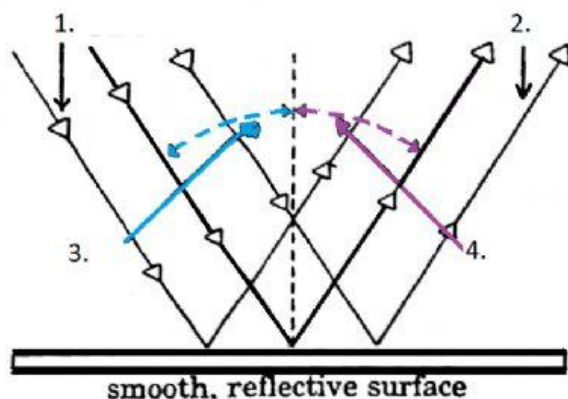


Reflection and Refraction

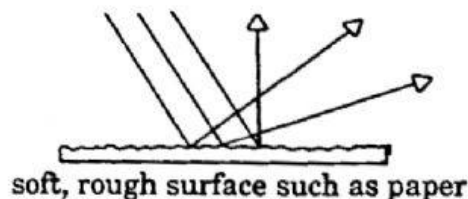
Reflection of Light



Reflection Ray Angle of incidence
Incidence Ray Angle of reflection

Surface Reflections

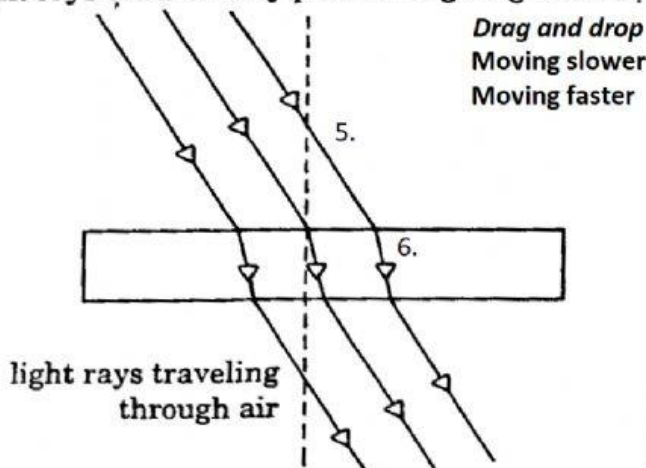
Rays are diffused (scattered);
poor or no reflection



Refraction of Light

Refraction is the bending of light rays.

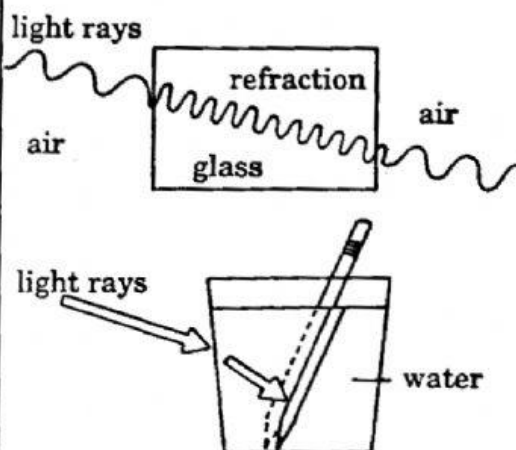
Light rays bend as they pass through a glass lens.



Drag and drop
Moving slower
Moving faster

Density and Refraction

Rays slow down in glass.
Glass is denser than air.



An Example of Refraction

a smooth reflective surface
surface

Because of refraction that happens when light moves from one medium to another
Reflection a wave like light to strike it

What two things are necessary to produce a reflection?

7.

8.

Light rays are reflected from the 9. of an object.

The law of 10. can be applied to smooth surfaces but not to rough ones.

A light ray (*speeds up, slows down*) when it passes into a denser material.

Why do objects that lie half in and half out of water appear distorted?

11.