




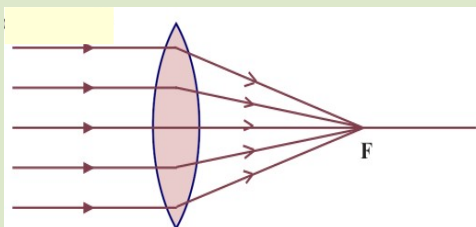
Standard 10	Subject: Physics	Medium: English	Date:28/12/2020
Class : 43	Refraction of Light	Worksheet No :5.5	Link To Online Class 

- When viewed through the water drop that fell on a magazine, a child noticed that there was a change in the size of letters on the page.
 - Why did the letters appear to be bigger in size?
 - What is lens ? Write different types of lenses that we mainly use ?

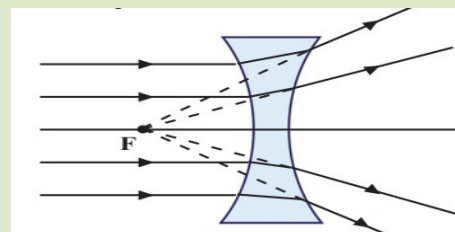
2. Match the following

Terms	Definitions
1. Optic centre	Centre of the imaginary spheres of which the sides of the lens are parts.
2. Centre of curvature	Imaginary line that passes through the optic centre joining the two centres of curvature.
3. Principal axis	Midpoint of a lens

3. Observe the figure and answer the following questions.



(a)



(b)

- The figure (a) indicate which type of lens ? Define its Principal focus?
- The figure (b) indicate which type of lens ? Define its Principal focus?

4. Do you have observed the image formation in a convex lens, when object is placed in different positions. Find out the characteristics of image and complete the table.

Position of object	Position of image	Nature of image/ size		
		Real/ virtual	Inverted/ erect	Magnified/ diminished/ same size
1. At infinity	At F	Real	Inverted	Diminished
2. Beyond 2 F				
3. At 2 F				
4. Between 2F and F				
5. At F				
6. Between F and lens				

Observe the DHIKSHA APP videos for seeing image formation in convex lens

[LINK TO DHIKSHA APP VIDEO](#)



SCAN FOR VIDEO