

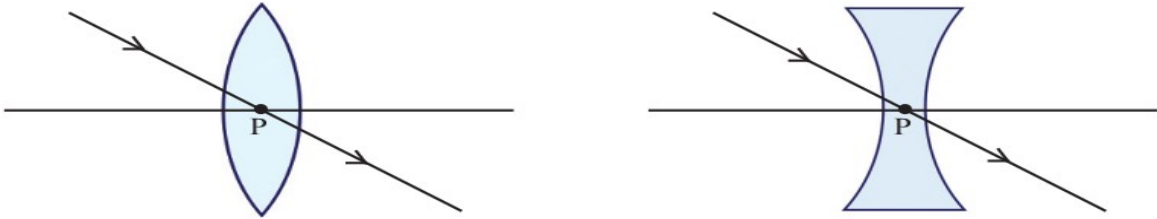
Physics Class Notes

[Click here to watch the video](#)

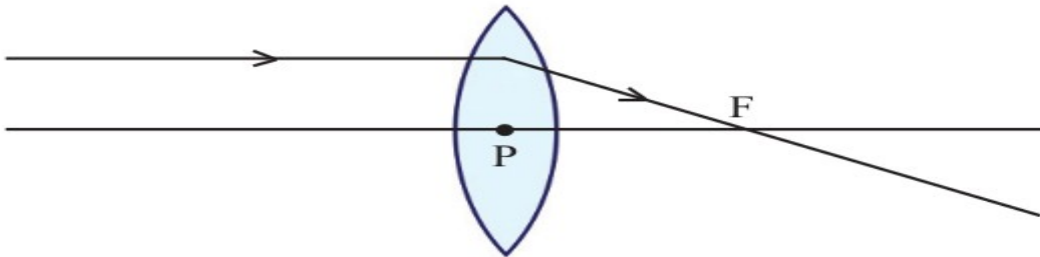
Ray diagram of formation of images by lenses

Points to be taken care of while drawing ray diagrams

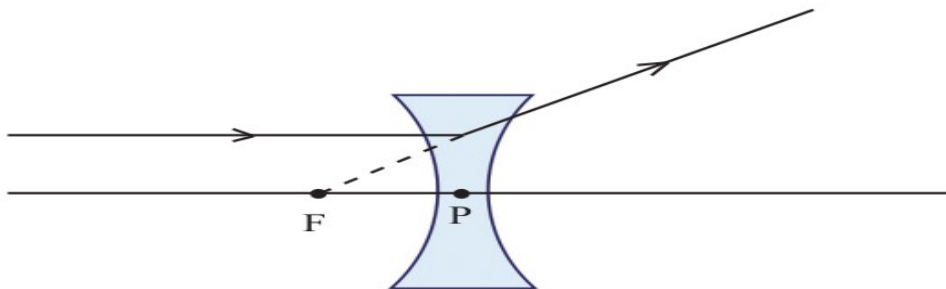
- When rays of light pass through the optic centre of a thin lens, it does not undergo deviation.



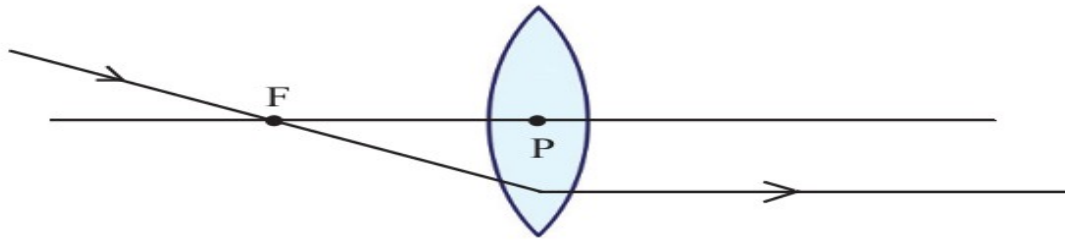
- A ray of light falling parallel to the principal axis of a convex lens passes through the principal focus after refraction.



- A ray incident parallel to the principal axis of a concave lens appears to diverge from the focus on the same side of the lens.

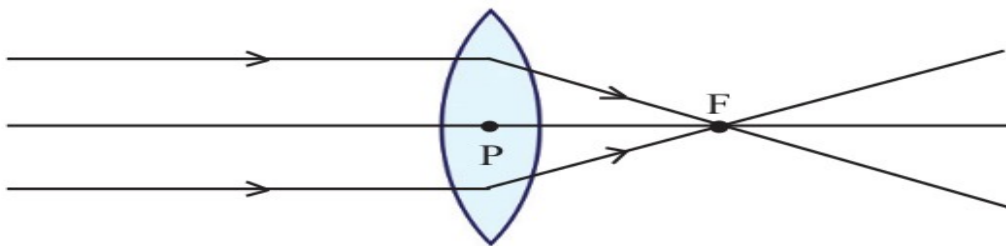


- A ray of light passing through the principal focus of a convex lens passes parallel to the principal axis after refraction.



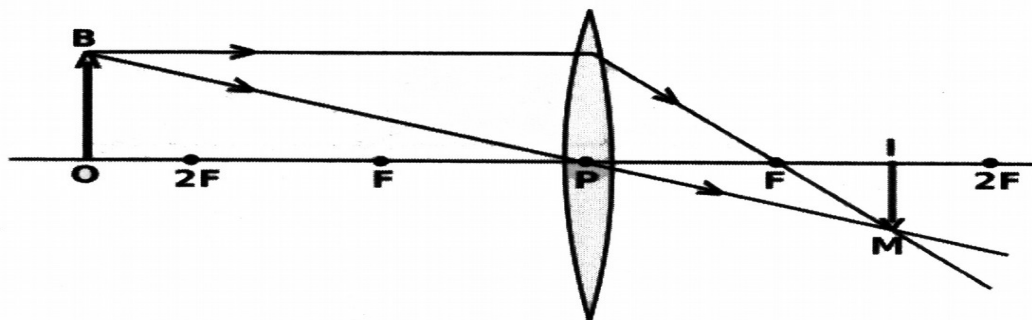
Formation of image using convex lens – Ray diagrams

1. Object at infinity



- **Position of the image – At F**
- **Nature of the image - Real & Inverted**
- **Size of the image - Diminished.**

2. Object beyond 2F



- **Position of the image: Between F and 2F**
- **Nature of the image: Real & Inverted**
- **Size of the image: Diminished.**