

LIGHT REFLECTION AND REFRACTION

CHAPTER NO.10

SUB: PHYSICS

LIGHT REFLECTION AND REFRACTION

CHANGING YOUR TOMORROW

POINTS TO BE COVERED

- Lens and its types.
- Refraction by spherical lenses
- Image formation by lenses.
- Rules for drawing ray diagrams.

LEARNING OUTCOMES

- Students will be able to
- Identify different types of lenses.
- State the rules for drawing ray diagrams.
- Draw ray diagrams showing formation of image by spherical lenses.
- State the nature of image formed by spherical lenses.

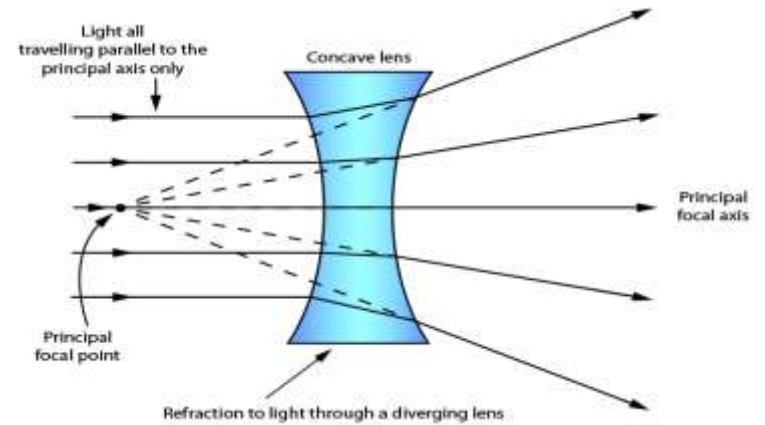
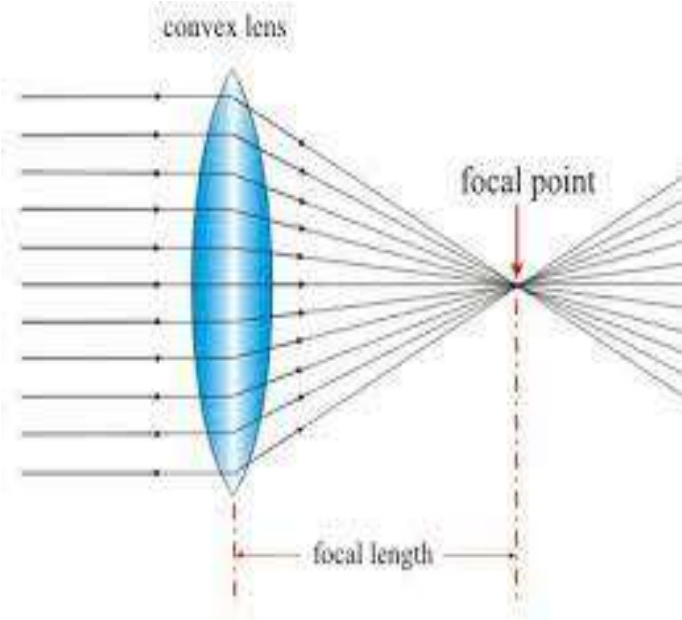
RECAPITULATION OF PREVIOUS TOPIC

- Define refractive index.
- The refractive index of diamond is 2.43. What does it mean?
- What will happen if a ray of light passes through a lens?

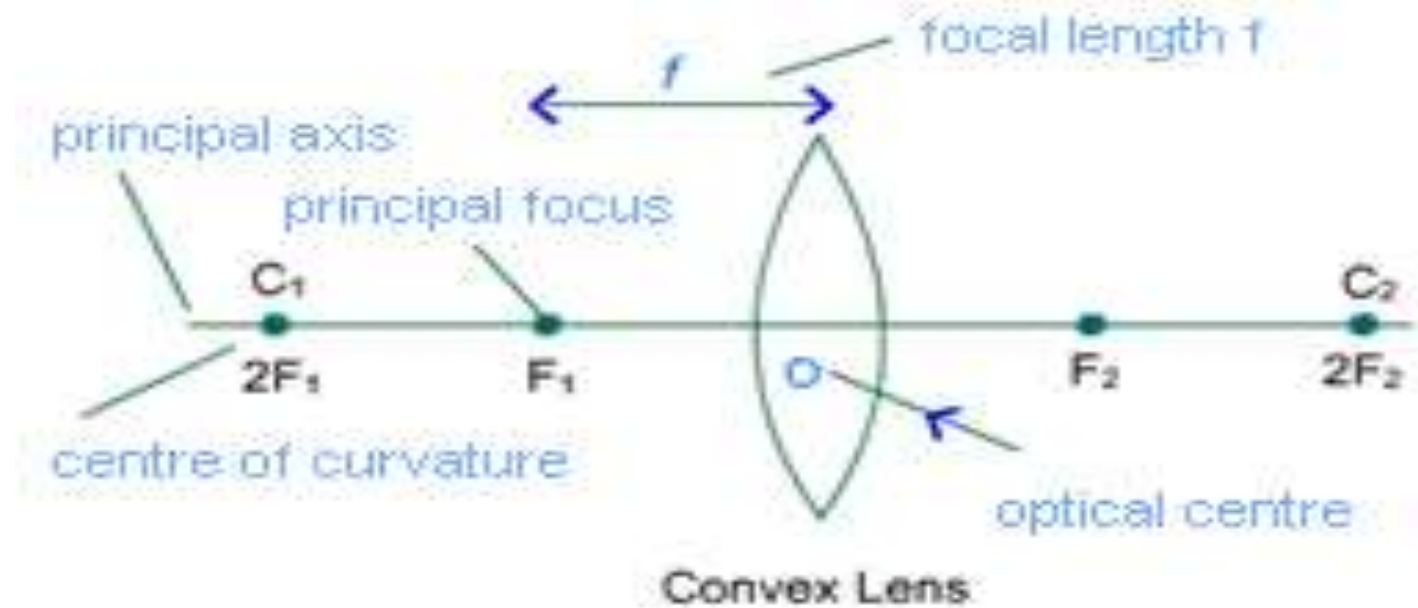
LENS AND ITS TYPES

https://youtu.be/p_reluulosE

Refraction of light through a lens



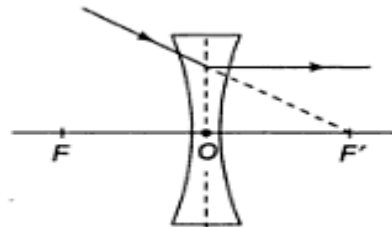
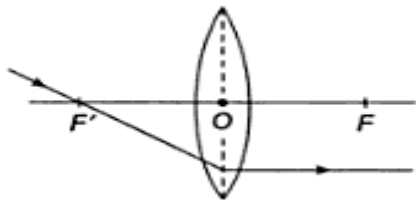
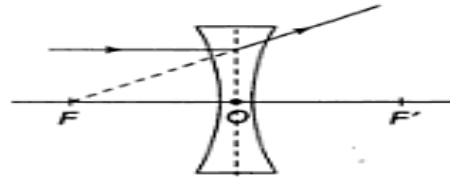
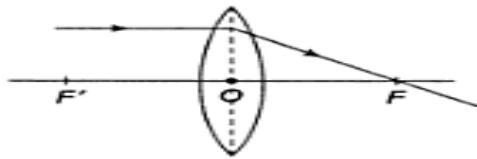
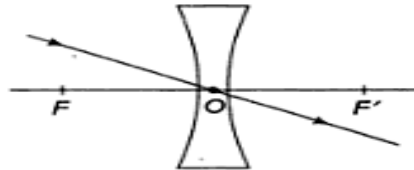
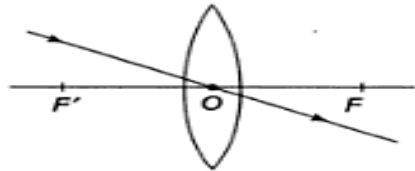
Different parts of spherical lens

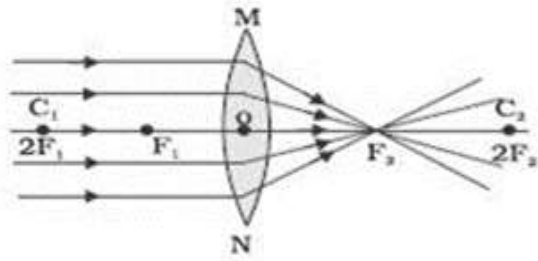


RULES FOR DRAWING RAY DIAGRAMS

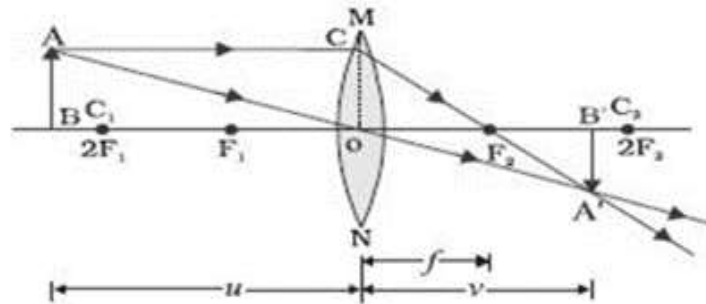
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RULES FOR DRAWING RAY DIAGRAMS

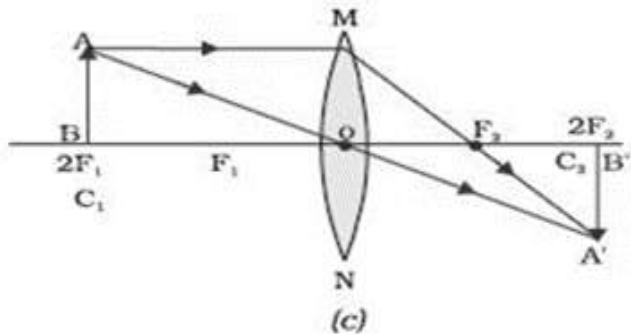




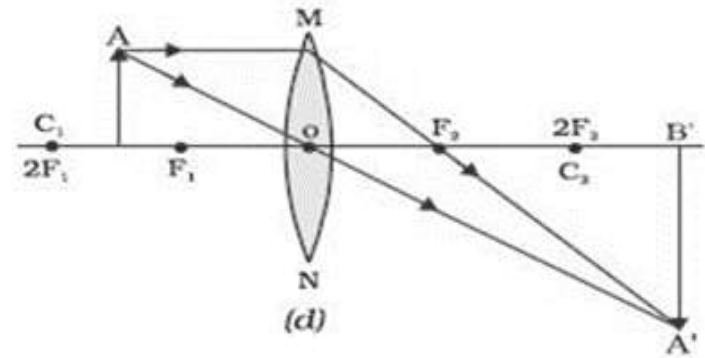
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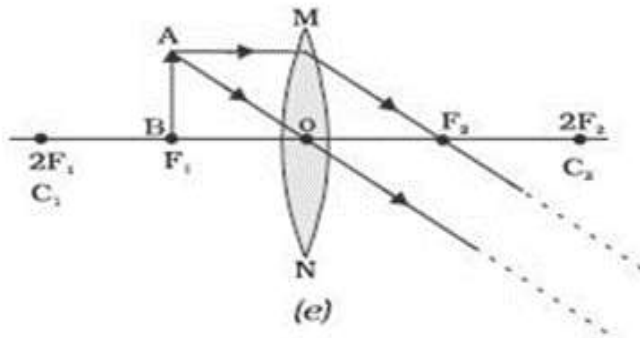
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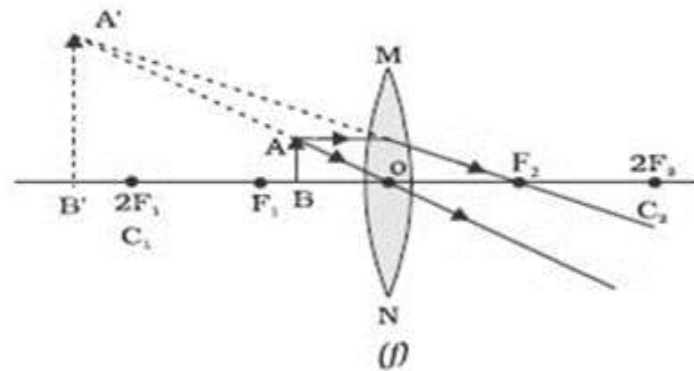
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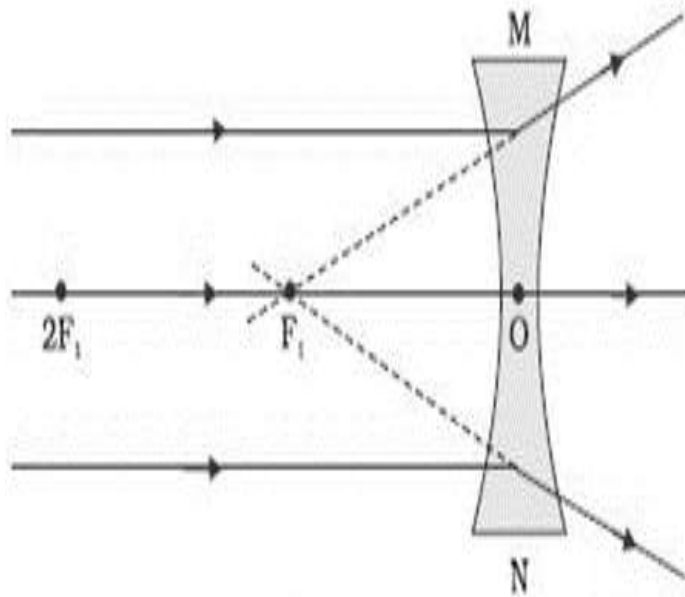
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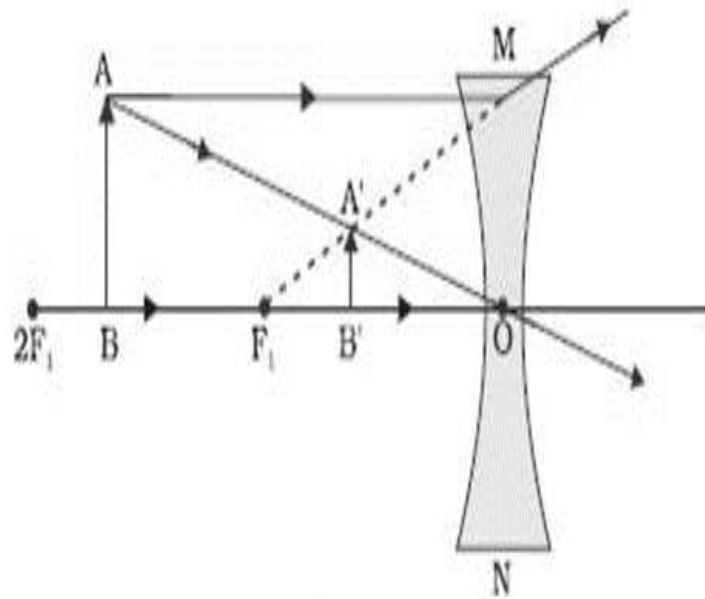
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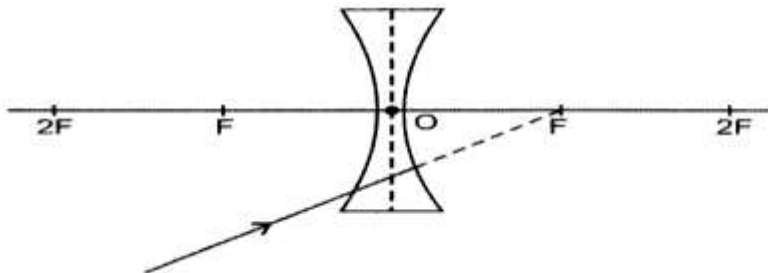
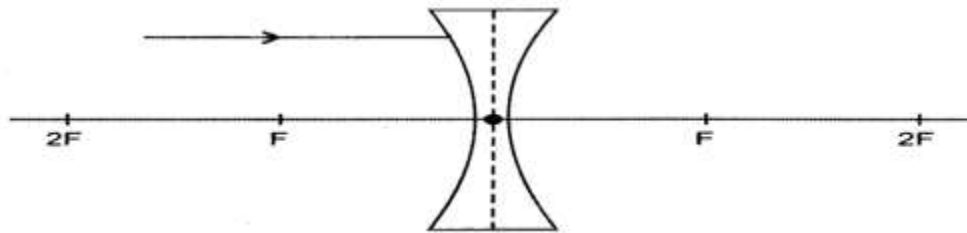
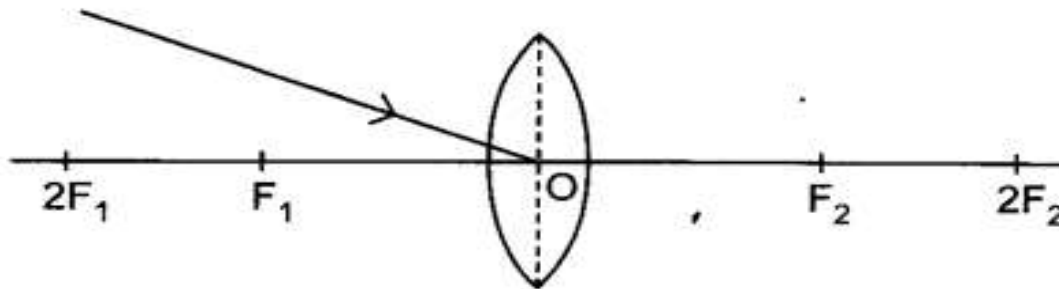


(a)



(b)

HOME ASSIGNMENT



THANKING YOU
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