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Questions:

Long Answers

1. Explain the construction of Simple Microscope.

Short Answer

2. List any five properties of light.
3. Explain the rules for obtaining images formed by a convex lens with the help of ray diagram.
4. Differentiate the eye defects: Myopia and Hypermetropia.
5. An object of height 3 cm is placed at 10 cm from a concave lens of focal length 15 cm. Find the size of the image.
   Given
   Object distance u =-10cm
   [Object is placed on the left side]
   Focal length f = -15 cm [∵ concave lens]
   To find : Image distance v =?
   Height of the object h_1=3 cm.

Very Short Answer

6. Draw a ray diagram to show the image formed by a convex lens when the object is placed between F and 2F.
7. Define dispersion of light.
8. Differentiate convex lens and concave lens.
9. What is power of accommodation of eye?
10. State Snell's law
11. State Rayleigh's law of scattering.

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