

Chapter- 16

Light : Human Eye And The Colourful World

WORKSHEET

1. Which phenomenon is responsible for making the path of light visible?
2. Give an example of a phenomenon where Tyndall effect can be observed.
3. State the characteristics of the image formed by a plane mirror.
4. What is the function of retina in the human eye?
5. What type of reflection of light takes place from a cinema screen?
6. Find the angle of reflection when the angle of incidence is 30° .
7. What is iris? What is its function?
Or
Write the function of iris in the human eye.
8. To an astronaut why does the sky appear dark instead of blue?
9. Draw a ray diagram to show the refraction of light through a glass prism. Mark on it
 - (a) the incident ray
 - (b) the emergent ray
 - (c) the angle of deviation.
10. A person suffering from an eye – defect uses lenses of power $-1D$ to correct the defect. Name the defect is suffering from and the nature of lens to be used to correct it.

