

Additional Important Questions

1. What are transparent objects?
2. Classify the following into transparent, opaque and translucent objects:
Wax, spectacles, a heap of salt, a stone, dense smoke, wood, skin, balloon rubber, membrane of a table, blood and milk.
3. Sometimes, you are able to see the Sun or the Moon behind the clouds. What can you say about the ability of such clouds to transmit light?
4. On what factor does the proportion of light that enter an object depend?
5. List four natural sources of light.
6. What are translucent objects?
7. Define opaque objects with example.
8. Close your eyes while looking towards bright sunshine. Now, cover the eyes with your palm still keeping them closed. Do you notice any difference? On the basis of this experience, state whether your eyelids are transparent, translucent or opaque.
9. How will you convert a transport glass sheet into a translucent sheet? Suggest any two ways to do it.
10. Name sources of light that are not hot.
11. Does the fire emit light?
12. Define luminous body?
13. Write down four man-made sources of light:

What Exactly are Shadows?

1. Give examples of two substances which light does not pass?
2. What we need in order to see a shadow?
3. Does the direction of shadow change during the day? Does the length of shadow also change from season to season?
4. What is an obstacle?
5. Whether a shadow is two-dimensional or three-dimensional?
6. Define screen.
7. What is shadow? How is it formed? How does the colour of an opaque object affects the colour of the shadow?

A Pinhole Camera:

1. Define pinhole camera.
2. What is the path of light?
3. Can you think a situation we can see the path of the light?
4. Way is the image formed in a pinhole camera inverted?

Mirrors And Reflections:

1. Define 'Mirror'.
2. What is reflection?
3. Why do we need a shiny surface for reflection?
4. What happens when light falls on it mirror?
5. Why is silver glass used as a mirror?
6. What change in the path of light takes place when light falls on a shiny surface? What is this called?
7. How are moon and planets visible to us though they are not luminous?

