



PHYSICS

BOOKS - NAVNEET PUBLICATION

EFFECTS OF LIGHT

Question Bank

1. When sunlight passes through glass prism which light deviates the least?



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2. What is meant by soil? How is soil formed?



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3. Fill in the blanks

Species A	Species B	Type of interaction	Example
+	-
+	+
+		Commensalism



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4. Fill in the blanks :

During a lunar eclipse the shadow of the
falls on the



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5. Fill in the blanks :

During a solar eclipse the shadow of the
falls on the



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6. Fill in the blanks:

Positively charged ions are called.....



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7. Answer the given question orally :

What is a faint shadow obtained from an extended source of light called?



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8. Fill in the blanks :

..... is celebrated as the World Anti Superstition Day.



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9. Fill in the blanks :

Tiny are seen floating in the beam of light.



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10. Fill in the blank: In _____ layer of the atmosphere the gases are totally absent.



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11. Fill in the blanks :

The colour in the sunlight is scattered the most, due to the molecules of gases present in the atmosphere.



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12. Fill in the blanks :

A eclipse should never be seen/watched with the naked eye.



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13. Rewrite the given statement after correcting :

Red light is scattered more than blue light.



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14. Rewrite the given statement after correcting :

The sun is an example of a point source of light.



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15. Rewrite the given statement after correcting :

When the sun, the moon, the earth come in a straight line, a occultation takes place.





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16. Rewrite the given statement after correcting :

When the solar disc is completely covered by the moon, a partial solar eclipse occurs.



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17. Match the pairs:

Column A	Column B
(1) Diamond	(a) 1.5
(2) Air	(b) 2.42
(3) Alcohol	(c) 1.77
(4) Benzene	(d) 1.36
	(e) 1.0003



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18. Explain the difference :

Point sources of light extended sources of light.



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19. Explain the difference :

Solar eclipse and Lunar eclipse



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20. Explain the difference :

Solar eclipse and Lunar eclipse



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21. Answer the following question in one sentence :

What is meant by occultation?



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22. Answer the following question in one sentence :

How does the umbra appear?



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23. Answer the following question in one sentence :

The earth appears to be bluish, what is the cause of this effect?



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24. Answer the following question in one sentence :

When does an eclipse occur?



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25. Answer the following question in one sentence

What is battery?



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26. Answer the following question in one sentence

What is battery?



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27. Answer the given question in your own words:

What is meant by scattering of light?



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28. Answer the given question in your own words:

Does the shadow really vanish in the zero shadow condition?



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29. Answer the given question in your own words:

Will the laser beam be seen if it passes through a glass box which contains a lighted incense stick?



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30. Answer the given question in your own words:

Can a solar eclipse be watched using goggles having blackened glasses?



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31. Answer the given question in your own words:

The moon comes between the sun and the earth twice in a year. Does a solar eclipse take place at each of these times?



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32. Answer the given question in your own words:

What is meant by scattering of light?



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33. Answer the given question in your own words:

Why is the shadow of a bird flying high not seen on the earth?



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34. Answer the given question in your own words:

Why is a penumbra not obtained from a point source?



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35. Answer the given question in your own words:

Various eclipses and the conditions during that period.





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36. Give scientific reasons :

Space beyond the earth's atmosphere appears dark.



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37. Give scientific reasons :

We are able to read while sitting in the shade.



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38. Give scientific reasons :

We should not observe the solar eclipse with naked eyes.



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39. Give scientific reasons :

A beam of light is not seen in plain water, but it is seen in turbid water.



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40. Give scientific reasons :

When the sun rises, surroundings appear illuminated.



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41. Give scientific reasons :

The sky appears blue during the day.



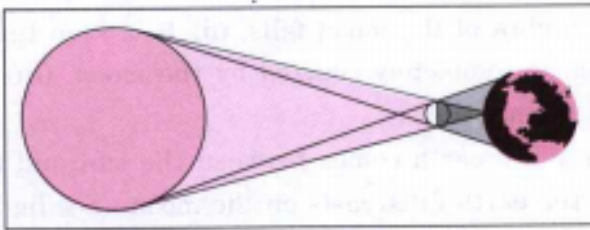
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42. Give scientific reasons :

The sun appears reddish early in the morning.

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43. Label the parts in the following diagram appropriately :



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44. Answer the given question :

Discuss and write :

Write a science based paragraph on 'What if the sun did not rise?'



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45. Answer the given question :

Discuss and write :

What efforts will you make to remove the misconceptions about eclipses?





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46. Answer the given question orally :

What is a faint shadow obtained from an extended source of light called?



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47. Answer the given question orally :

Which harmful rays reach the earth from the sun?



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48. Answer the given question orally :

How many colours does a ray of light consist?



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49. Answer the given question orally :

On which day, our shadow appears to be vanished?



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