



PHYSICS

BOOKS - MBD -HARYANA BOARD

LIGHT,SHADOWS AND REFLECTIONS

Example

1. Rearrange the boxes given below to make a sentence that helps us understand opaque

objects.

OWS AKE OPAQ UE O BJEC TSM
SHAD



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2. Can you think of creating a shape that would give a circular shadow if held in one way and a rectangular shadow if held in another way?



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3. In a completely dark room, if you hold up a mirror in front of you, will you see a reflection of yourself in the mirror?



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4. What are luminous bodies ?



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5. Name some luminous bodies.



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6. What are non-luminous bodies?



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7. Name four non-luminous bodies ?



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8. What is a transparent material ?



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9. Name four transparent materials.



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10. What is an opaque material ?



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11. Name four opaque materials.



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12. What is translucent material?



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13. What is to be done to see shadow ?



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14. What are shadows ?



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15. Why should not we see directly towards the Sun?



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16. How is image in a pinhole camera, possible?



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17. What is meant by reflection of light ?



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18. Is moon a Luminous or non-luminous body ?



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19. Differentiate between luminous and non-luminous bodies.



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20. Why does an opaque body form shadow when light falls on it ?



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21. What is a shadow ? What happens when an object is moved towards source of light ?



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22. Show with an experiment that light travels in a straight line.



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23. The substance through which light can pass is called -

A. Translucent

B. Opaque

C. Transparent

D. None of these.

Answer:



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24. For formation of shadow, the object in the path of light should be-

A. Transparent

B. Opaque

C. Translucent

D. None of these.

Answer:



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25. Seeing across Translucent objects is possible-

A. Completely

B. Partially

C. Not at all

D. None of these.

Answer:



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26. Luminous bodies-

A. Emit light

B. Do not emit light

C. Take light from other body and then
emit light

D. None of these.

Answer:



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27. Moon is a body-

A. Luminous

B. Non-luminous

C. both luminous and non-luminous

D. None of these.

Answer:



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28. During reflection, light after striking polished surface is -

A. Sent back into the same medium

B. Is passed on to the other medium

C. Some part of light returns to the same
medium

D. None of these.

Answer:



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29. Reflection of light occurs at-

A. Regular surface

B. Irregular surface

C. Some part of the surface is regular and
some part is irregular.

D.

Answer:



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30. When an opaque object is brought near a source of light, then-

A. The size should become equal to that of the object

B. The size of the shadow becomes smaller.

C. The size of the shadow inceases.

D. None of these.

Answer:



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31. To see an object-

A. A healthy eye is needed

B. The presence of an object

C. The presnce of light

D. A healthy eye, presence of an object and the presence of light.

Answer:



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32. The image formed in a Pinhole camera is of

-

A. inverted

B. upright

C. horizontal

D. can be upright or inverted

Answer:



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33. The coming back of light into the same medium after falling on the shining surface is called

A. refraction

B. reflection

C. dispersion

D. None of these.

Answer:



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34. Light travels in

A. curved line

B. straight line

C. randomly

D. zig-zag line.

Answer:



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35. Which type of object allows light to pass through?

A. Transparent

B. Translucent

C. Opaque

D. None of these

Answer:



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36. An example of Translucent object is

A. A thin sheet of iron

B. A thin glass sheet

C. An oiled paper

D. None of these

Answer:



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