

CREST Science Olympiad (CSO) Worksheet *for* Class 3



Topic
Light



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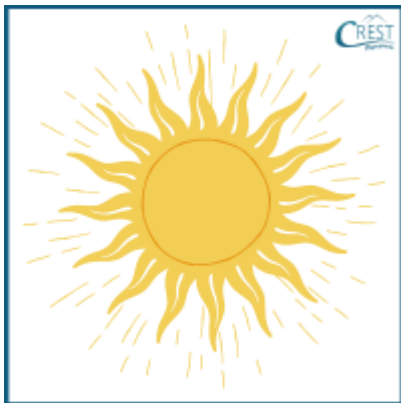


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Worksheet on Light

1. Luna conducted an experiment to observe how the length of a shadow changes during the day. She marked the length of a shadow at different times. At which time of the day would the shadow be the shortest?
 - a. Early morning
 - b. Noon
 - c. Late afternoon
 - d. Evening
2. Select the odd one out.

a.



b.



c.



d.



3. What happens when light hits a smooth surface?




- a. Light gets absorbed by the surface.
- b. Light passes through the surface.
- c. Light reflects off the surface and changes its direction.
- d. Light scatters in different directions.

4. Which of the following objects are luminous?



- a. 1, 3, 6
- b. 2, 4, 6
- c. 1, 2, 5
- d. 1, 3, 5

5. Match the following.

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Column I	Column II
1) 	A) Opaque Material
2) 	B) Translucent Material
3) 	C) Transparent Material

- a. 1:C, 2:A, 3:B
b. 1:B, 2:A, 3:C
c. 1:A, 2:B, 3:C
d. 1:C, 2:B, 3:A

Answer Key

- b - Shadows are shortest at noon when the sun is directly overhead and casts the shortest shadows.
- c - Candle is an artificial source of light whereas all the others are natural light sources.
- c - When light hits a smooth surface, it undergoes reflection. Reflection is the process where light bounces off the surface and changes its direction. This phenomenon enables us to see objects, as the reflected light enters our eyes.
- d - Candle, torch and stars produce their own light and are called luminous objects.
- a - Water is transparent, book is opaque, and tissue paper is translucent.

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