

**ATOMIC ENERGY EDUCATION SOCIETY, MUMBAI
WORK SHEET NO.1**

CHAPTER NO: 11 LIGHT, SHADOWS AND REFLECTIONS

MULTIPLE CHOICE QUESTIONS

I Choose the correct option:

1. The image formed in water is:
a. Erect b. Diminished c. Inverted d. None of these
2. Which one is the Natural source of light?
a. Tube light b. Electric bulb c. Sun d. None of these
3. Glass sheet is a
a. Transparent object b. Translucent object c. Opaque object d. All of these
4. Stars are
a. Luminous b. Non-luminous c. Both of these d. None of these
5. Image formed by plane mirror is
a. Erect b. Inverted c. Erect but laterally inverted d. None of these

II Fill in the blanks with a suitable word / words:

1. The Sun is a ----- body.
2. The image formed by a plane mirror is due to -----.
3. Light helps us to ----- objects.
4. Light travels along a ----- line.
5. Images are ----- from shadows.

III State True or False against the following statements:

1. Chair is a luminous object.
2. A mirror reflects a beam of light.
3. Light travels in curved line.
4. Mirror does not change the direction of light that falls on it.
5. The image of red rose and yellow rose is black in colour.

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WORK SHEET NO.1

Answer Key

I Choose the correct option:

1. Erect
2. Sun
3. Transparent object
4. Luminous
5. Erect but laterally inverted

II Fill in the blanks with a suitable word / words:

1. Luminous
2. Reflection of light
3. See
4. Straight
5. Different

6. III State True or False against the following statements:

1. False
2. True
3. False
4. False
5. True

**ATOMIC ENERGY EDUCATION SOCIETY, MUMBAI
WORK SHEET NO.2**

CHAPTER NO: 11 LIGHT, SHADOWS AND REFLECTIONS

I Very short answer type questions:

1. Whether the Moon is luminous or non-luminous body?
2. What is Umbra?
3. What is a shadow?
4. Mention the names of three types of objects you have studied?
5. What is Penumbra?

II Short answer type questions:

1. Why is the Moon not considered as a non-luminous body?
2. State difference between transparent and translucent objects with examples.
3. When does a shadow form?
4. Write any three differences between shadow and image.
5. Define reflection of light.

III Long answer type questions:

1. What is reflection of light? Explain reflection of light with the help of an activity.
2. Explain that light has the property of rectilinear propagation with the help of a diagram.
3. How will you make a simple pin hole camera?
4. What are the essential conditions for the formation of a shadow?
5. Explain the characteristic features of images formed by a plane mirror with the help of diagram.

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