

St. Thomas School, Dhurwa, Ranchi – 4.

Class: 5

Subject: SCIENCE

Practice Paper with Model Answers

Chapter 10: Light and Shadows

I. Give the technical term for the following.

1. Type of eclipse that occurs when the moon is completely in the dark shadow of the earth

Ans. Total lunar eclipse

2. Objects that do not produce light

Ans. Non-luminous object

3. Type of objects that form a faint shadow

Ans. Translucent objects

4. The line at which the earth surface and the sky appear to meet

Ans. Horizon

II. Fill in the blanks with the appropriate terms.

1. We see objects when our eyes receive light from them.
2. Eclipses occur only when the sun, the earth and the moon are in a straight line.
3. Objects that produce light are called luminous objects.
4. Total solar eclipse occurs when sun hides completely behind the moon.

III. Give two examples for each of the following.

1. Transparent objects

Ans. (a) Glass (b) Water

2. Translucent objects

Ans. (a) Tracing paper (b) Honey

3. Opaque objects

Ans. (a) Chair (b) Table

4. Two movements of the earth

Ans. (a) Rotation (b) Revolution

IV. Define the terms.

1. Shadow

A dark patch formed when an opaque or translucent object comes in the path of light

2. Translucent objects

Objects that allow light to pass through them partially

3. Eclipse

Shadow formed in space that makes the sun or the moon invisible for some time

4. Orbit of the earth

The imaginary line on which the earth moves around the sun

V. Differentiate between the following.

1. Partial solar eclipse and partial lunar eclipse (meaning)

Ans.	Partial solar eclipse	Partial lunar eclipse
	When the shadow of the moon hides only a part of the sun, it is a partial solar eclipse.	When the moon is partially hidden by the shadow of the earth, it is called a partial lunar eclipse.

2. Luminous objects and non-luminous objects (two examples)

Ans.	Luminous objects	Non-luminous objects
	Sun, candle	Book, pen

VI. Write true or false.

1. The relative position of the sun, the earth and the moon never change.

Ans. False

2. It takes 24 hours to complete one revolution.

Ans. False

3. The axis of the earth is an imaginary line.

Ans. True

4. Light travels in a straight line.

Ans. True

VII. Give reasons for the following.

1. We have different seasons throughout the year.

Ans. The revolution of the earth and its tilted axis cause different seasons.

2. We can see through transparent objects.

Ans. It is because transparent objects allow light to pass through them completely.

VIII. Draw neat diagrams of the following and label them.

1. Rotation of earth
2. Revolution of earth
3. Solar eclipse
4. Lunar eclipse

Ans. Refer to page no. 125, 126,127 & 128 of your course book.

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