

TENDER HEART HIGH SCHOOL, SGC-33B, CHD

Class: IV

Subject: Science

Topic: Light

Date: 04.11.2024

Good Morning students

This is the notebook work of
ch-9 and is being presented to you
on 04.11.2024.
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Define the following

1. Light - It is a form of energy that helps us to see objects.
2. Natural source of light - These give light of their own. e.g. stars.
3. Artificial sources of light - They give light when we switch on the light. e.g. bulb.
4. Reflection of light - When light falls on a smooth surface it bounces back.

Transparent objects	Translucent objects	Opaque objects
Objects that allow light to pass through it. e.g. glass, water.	Objects that allow light to pass through it partially. e.g. honey.	Objects that do not allow light to pass through it. e.g. wood.

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Answer the following questions

Q1. What is light?

Ans. Light is a form of energy that makes things visible.

Q2. Name the natural sources of light.

Ans. Sun and stars.

Q3. What are nonluminous objects? Name them.

Ans. The objects which do not give light are called non luminous objects. e.g. wood.

Q4. What is a shadow? How is a shadow formed?

Ans. A shadow is a black figure of an opaque object formed when the object blocks the path of light.

Q5.

Q5. Write any four properties of light.

Ans. Properties of light are

- i) Light moves in a straight line.
- ii) Light has seven colours.
- iii) Light can travel through vacuum.
- iv) Light travels very fast.

Think zone

1. A coin kept in water looks nearer to us. why?

Ans As light bends in water.

2. Only opaque objects make shadows. why?

Ans As these block the path of light.

Home assignment

Draw two examples of each

- i) transparent objects
- ii) translucent objects
- iii) opaque objects