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CLASS - 4

SUBJECT - EVS

Based On NCERT

Date - 13/10/2020

Chapter - 9

Light

TRANSPARENT, TRANSLUCENT AND OPAQUE OBJECTS

Non - luminous objects are classified into three groups on the basis of their ability to allow the light to pass through them . These are transparent objects , translucent objects and opaque objects .

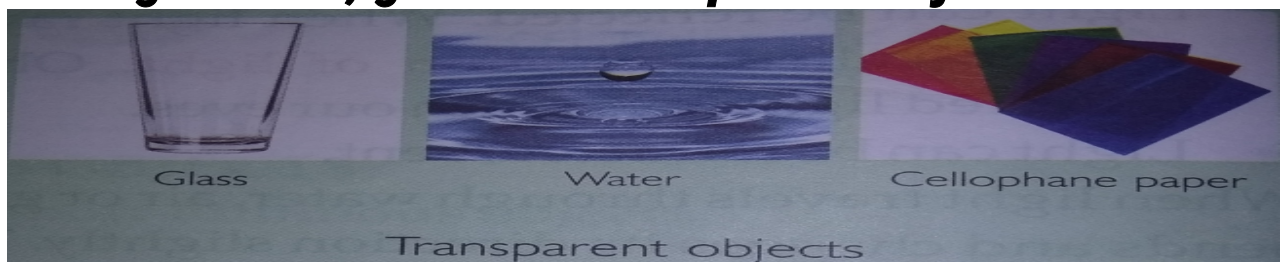
Let us learn about this objects .

Transparent objects

Objects that allow light to pass through them completely are called transparent objects , e.g., glass water , air , cellophane paper and some plastics .

can you read a book if you hold a glass in front of your eyes ?

Yes , because the glass allows the light to pass through it . So , glass is a transparent object .



Translucent objects

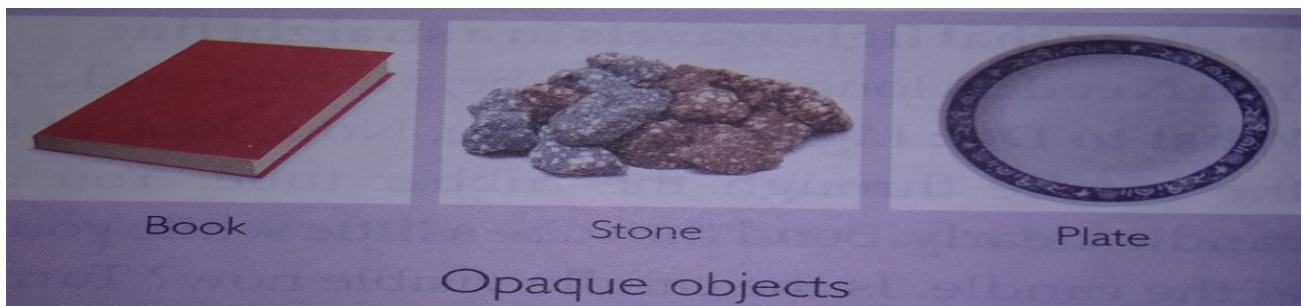
Objects that allow light to pass through them only practically are called translucent objects e.g., butter paper , ground glass , a fine piece of cloth , lampshade and some plastics .

you can see objects through a butter paper if you hold it in front of your eyes but only practically . This is because butter paper allows the light to pass through it practically . So , butter paper is a translucent Objects .



Opaque Objects

Objects that do not allow light to pass through them are called opaque objects , e.g., wood , steel , book and stone .



Don't write only read it .

A. Give two examples of each of the following .

1. Transparent objects = Glass , Water

2. Translucent objects = Butter paper , ground glass ,

3. Opaque objects = Wood , Steel

B. Differentiate between transparent and translucent objects .

Answer = Transparent objects = objects through which light can pass easily . e.g., glass , water .

Translucent objects = objects through which only a little amount of light can pass . e.g., butter paper , ground glass .

Home Work

Jyoti

