

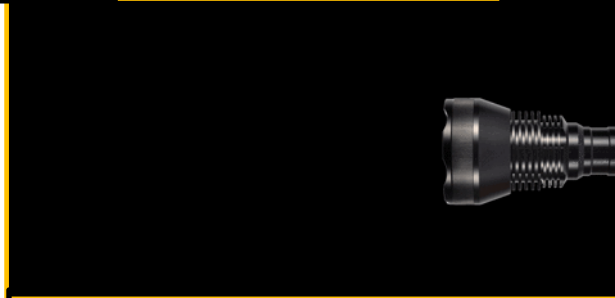
Observe the picture carefully and describe the activity.



Lighting a candle



Switching a bulb



Switching a torchlight

Question : Why we need to do all ?

Answer : To get light which removes dark ness

Observe the picture carefully and describe the activity.



Ringing Alarm



Blowing a Trumpet



Thunder with lightning

Question: What is resulted from each Picture?

Answer: Sound

Observe the picture carefully and describe the activity.



Pushing a grocery cart



Pushing a car



Pulling a loaded trolley

Question: What is required to do all these?

Answer: Apply Force

**SESSION : 1**  
**CLASS : III**  
**SUBJECT : SCIENCE**  
**CHAPTER NUMBER : 10**  
**CHAPTER NAME : LIGHT, SOUND AND FORCE**  
**SUB-TOPIC : INTRODUCTION, LIGHT AND SHADOW**

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**CHANGING YOUR TOMORROW**

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## LEARNING OBJECTIVE :

**Learners will be able to know –**

- about the sources of light and how shadow is formed.

# LIGHT

Light helps us to see objects around us.

The sun is the main source of light on the earth.



# LIGHT

- Objects which give us light are called luminous objects. Ex.candles, lamps, torches, bulbs etc. →



- Objects which do not give light are called non-luminous objects. Ex.table, chair, ball, teddy bear etc. →



# SHADOW

Light travels in a straight line as thin beams of rays.



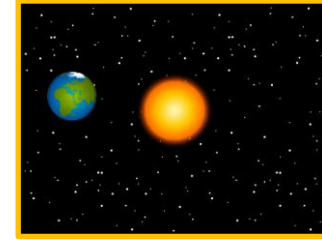
When something comes in the way of light, a shadow is formed.





# SHADOW

The earth revolves round the sun. The sun's light falls on the earth.



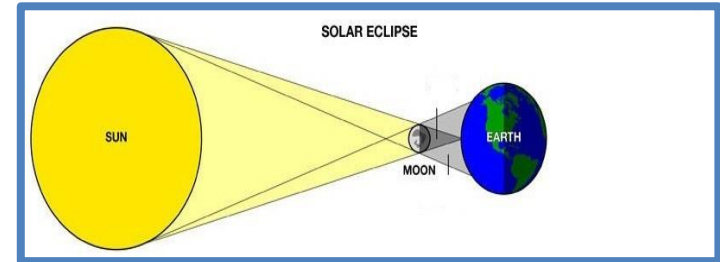
The moon revolves round the earth. The moon reflects the light of the sun.



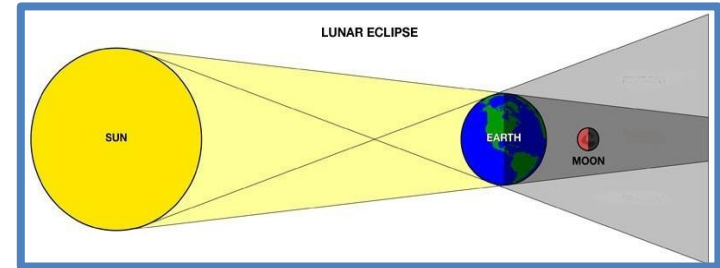
# SHADOW

A Solar eclipse occurs when the moon blocks the light of the sun. The shadow of the moon falls on the earth and the sun cannot be seen or partially hidden.

A lunar eclipse occurs when the earth blocks the light of the sun. The shadow of the earth falls on the moon and the moon cannot be seen.



Solar eclipse



Lunar eclipse

# A. ARRANGE THE WORDS UNDER THE CORRECT COLUMN:

Table, Sun, Moon, Chair, Bulb, Lamp, Candle, Bed, Ball, Torch

## Luminous Objects

1	Sun
2	Bulb
3	Lamp
4	Candle
5	Torch

## Non-Luminous Objects

1	Table
2	Moon
3	Chair
4	Bed
5	Ball

## Let's Answer:

### B. Answer the following :

1. What is the main source of light on the Earth?

Ans. The main source of light on the Earth is the Sun.

2. How shadows are formed?

Ans. Shadows are formed when something blocks the path of light.

# HOME ASSIGNMENTS

List out the Luminous and non luminous objects in note book.

# LEARNING OUTCOME:

**Learners will be able to know -**

- about the sources of light and how shadow is formed.

**THANKING YOU**  
**ODM EDUCATIONAL GROUP**