

**SUBJECT - SCIENCE  
COPY AND BOOK WORK  
CHAPTER - 6, LIGHT  
,SOUND AND FORCE**

**LIGHT, SOUND AND FORCE**

# **I. New words:**

**1) luminous**

**2) shadow**

**3) image**

**4) sound**

**5) chirping**

**6) honking**

**7) force**

**8) revolves**

**9) pleasant**

**10) straight**

## **II. Answer these:**

**1) What can we do to reduce noise?**

**Ans: We can reduce noise by taking the following measures:**

- a) Stay away from noisy area.**
- b) Control noise level near sensitive areas.**
- c) Shut the door while using noisy machines.**

**2) Mention three effects of force on an object.**

**Ans: The three effects of force on an object are:**

- a) Force can move an object.**
- b) Force can stop a moving object.**
- c) Force can change the shape of an object.**

**3) How does a lunar eclipse occur?**

**Ans: 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.**



**4) How does a solar eclipse occur ?**

**Ans: 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 is partially hidden.**

**5) Write two examples of pleasant and unpleasant sounds.**

**Ans: The two examples of pleasant and unpleasant sounds are:**

**a) Pleasant sound – Chirping of birds , sound of drums**

**b) Unpleasant sound- Sound of firecrackers, unnecessary honking of cars.**

**III. Define:**

**1) Shadow: When an object blocks the path of light and forms a dark image it is called a shadow.**

**2) Force: Force is a push or pull acting on an object which tends to change the state of rest or motion of an object.**

**IV. Give reason why?**

**1) We need light:**

**Light is the main source of energy for all living organisms. It helps us to see different objects. Plants need light for photosynthesis that enables them to make their own food.**

## V. Differentiate between Luminous and Non-luminous objects.

Luminous objects	Non- luminous objects
<p>1) Objects that emit light by themselves are called Luminous objects.</p> <p>2) Examples- Sun, Candle</p>	<p>1) Objects that cannot emit light by themselves are called Non-luminous objects.</p> <p>2) Examples- Plants, Chair</p>

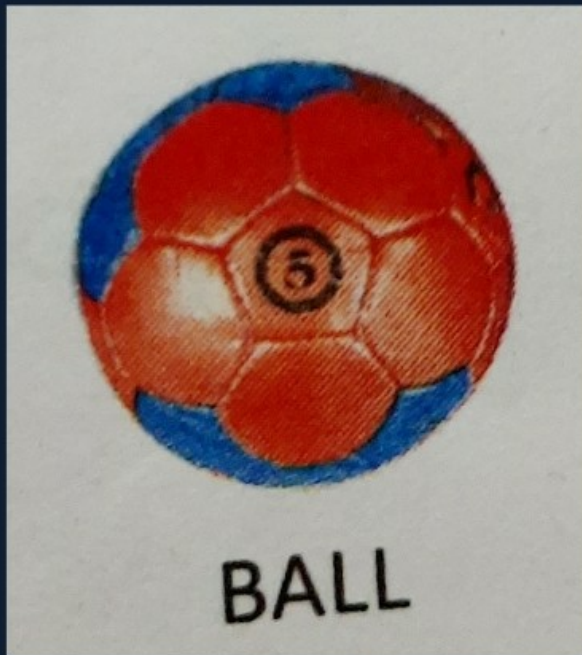
## VI. Draw and Label:

### a) Luminous object







## b) Non-luminous object



# Book work





## Light, Sound and Force



**Get started!**

Fill in the blanks and colour the pictures.

1. When we switch on this bulb, we get  
  
light
2. When we play this drum, we hear a  
  
sound

# CHECKPOINT



## ENRICHMENT ACTIVITY

Circle the correct answers.

1. The earth revolves around the ( sun / moon ) and the ( sun / moon ) revolves around the earth.
2. A ( lunar / solar ) eclipse occurs when the shadow of the ( moon / earth ) falls on the moon and it cannot be seen.
3. We should ( encourage / avoid ) blowing horns.

## Read and ANSWER



A. Tick (✓) the correct answers.

1. This is the main source of light on earth.

a. candle \_\_\_\_\_

b. sun ✓

c. moon \_\_\_\_\_



2. Loud and unpleasant sounds

- a. make us feel happy.   
b. irritate us.

c. have no effect on us.

3. When we push or pull something we apply force and

- a. sleep.  b. do work.  c. do nothing.

4. Force can do

- a. nothing.  b. one thing.  c. many things.

**B. Name the following.**

1. Light travels in these straight lines.

Rays

2. This is formed when an object blocks the path of light.

Shadow

3. This is caused by an unpleasant sound.

Noise

# WORKSHEET 1

## LIGHT, SOUND AND FORCE

**A. Tick (✓) the correct options.**

1. Which of the following is not a non-luminous object?

- a. Sun  b. Drum  c. Book

2. We apply some force for

- a. doing our homework.  b. reading a book.  c. kicking a football.

**B. Give one word for the following.**

1. It is the main source of light on the earth.

Sun

2. Objects which do not give light.

Non-luminous

3. This is formed when light is blocked by an object.

shadow

4. The shadow of the earth falls on the moon and the moon cannot be seen.

Lunar eclipse

**C. Fill in the blanks.**

1. Light helps us to see things around us.

2. The moon reflects the light of the sun.

3. We apply force to do some work.

4. Force can also change the shape of an object.

# WORKSHEET 2

## LIGHT, SOUND AND FORCE

A. Give one word for the following.

1. Light giving objects.
2. Straight lines in which light travels.
3. The shadow of the moon falls on the earth and the sun cannot be seen or is partially hidden.
4. Unpleasant sounds.

Luminous objects  
Ray  
Solar eclipse  
Noise

B. Fill in the blanks.

1. Light travels in straight lines.
2. We produce noise when we speak or laugh.
3. Chirping of birds is a pleasant sound.
4. Force can move an object or stop a moving object.

D. Label the sun, the earth and the moon. Which eclipse is this?

