

**CHRIST CHURCH SCHOOL**  
**WORKSHEET 4(ANSWER KEY)**

**NAME:** \_\_\_\_\_

**ROLL NO:** \_\_\_\_\_

**SUBJECT:SCIENCE**

**DATE:** \_\_\_\_\_

**STD:4 A B C D E F G**

**QI) Fill in the blanks:**

1. A source that gives out its own light is called **natural** source of light.
2. One of the modern sources of light is the **laser**.
3. Light travels at **3,00,000** km per second.

**QII) Name the following:**

1. Name one luminous and one non-luminous object.  
Ans: candle(luminous) and moon(non-luminous)

2. Name one transparent and one opaque object.

Ans: glass and wood

**QII) Define:**

1. **Translucent:** Certain materials allow only light to pass partially through them. That is, they do not allow all the light to pass through them. Such materials are called translucent.

**QIII) Answer the following questions:**

1. How will you show that light travels in a straight line?

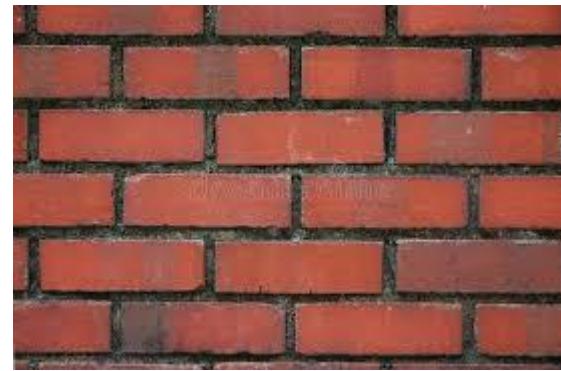
Ans: By doing a simple experiment using three cardboard pieces and a candle. By making a hole in the center of the three cardboard pieces and placing them one behind the other you can see a candle lighting at the end of the cardboard. By shifting the center cardboard you would not be able to see the candle lighting. This, shows that light travels in a straight line.

2. What do you mean by transparent? Give two examples

Ans: Materials that allow light to pass through them are called transparent. Example clear water or glass.

**QIV) Draw the following:**

1. **One opaque and one transparent object.**



**Brick(Opaque )**



**Glass( Transparent)**

**QV) Value based question:**

a) Is light important to you? Give reason for your answer.  
Ans Yes, light is important to me because without light no object can be seen.

**QVI) Application based question:**

a) Why do we wear a peak cap on a hot sunny day?  
Ans We wear a peak cap to avoid the direct sun rays from reaching our eyes (since light travels in a straight line).