



Subject: Science **Topic:** LIGHT,SHADOWS AND REFLECTIONS **Date of Worksheet:** 28/8/18

Resource Person: Mrs. Saritha Kishore

Date: _____

Name : _____

Class & Div: _____

Roll No: _____

I	Write True (T) or False (F) against the following statements (1M each). 1. Light is a form of energy that enables us to see objects. 2. A plane mirror helps us to see the image due to the reflection of light. 3. A shadow is formed whenever the path of light is obstructed by a transparent object. 4. The formation of pinhole images and shadows are possible only if light travels in a straight line path.	4
II	Give one word for the following.(1M each) 1.Objects that give their own light 2. An object that allows some light to pass through it. 3. The process of bouncing back of light from a given surface.	3
III	Fill in the blanks with the correct words.(1M each) 1. Light travels in a (straight /curved path). 2. A shadow only shows the _____ (colour /shape) of the object. 3. Size of the shadow _____ (remains constant/may vary).	3
IV	Correct the following statements.(1M each) 1) Shadow of an opaque object depends on its colour. 2)Transparent objects allow light to pass through them partially.	2
V	Answer the following	
1	Can a completely transparent object cast a shadow?	1
2	What type of screen is used in a pinhole camera:transparent,translucent or opaque?	1
3	Can we see the details of the colour of an object in its shadow formed by sunlight?	1

4	State any one observations from everyday life which show that light travels in straight lines	1
5	Which property of light is illustrated by the fact that we cannot see around a corner?	1
6	Three identical towels of green,blue and red colour are hanged on a cloth line in the sun.What would be the colour of shadows of these towels?	1
7	Moon is a non-luminous object.How does it shine at night?	1
8	.In which of the following can an image be seen due to reflection? Why? a)Surface of still pond b)Piece of paper	2
9	List the conditions needed for the shadow to be formed.	3
10.	Give the difference between the shadow and the image formed by a pinhole camera.	3

