

CHRIST CHURCH SCHOOL

Name: _____

Roll no: _____

Subject: **SCIENCE**

Date: _____

STD 4 F – G Div. _____

**NOTES FOR THE CHAPTER LIGHT
(Pg. 92 and Pg. 93)**

Q I. Fill in the blanks:

1. The speed of light is **3, 00,000** km per second.
2. A **shadow** is formed when an opaque object blocks the path of light.

Q II. Name the following:

1. Name two transparent objects.

Ans Glass, Clean water.

2. Name two opaque objects.

Ans Stone, Bricks.

QIII. Define:

1. **Translucent**-Certain materials allow only light to pass partially through them. That is, they do not allow the light to pass through them. Such materials are called **translucent**.
2. **Opaque**-Materials which do not allow any light to pass through them. They block the path of light.

Q IV. Answer the following:

1. Explain in detail how shadows are formed?

Ans As we have learnt that opaque objects do not allow light to pass through them. A dark area is then formed behind the object. This dark area is called a shadow. Light cannot reach this dark area. Thus, opaque objects blocks the path of light to create a shadow. The shape and size of the shadow depends on the direction from which light is coming.

QV. Draw the following:

1. Two opaque objects.

