



INDIAN SCHOOL MUSCAT
DEPARTMENT OF SCIENCE

SUBJECT : SCIENCE

TOPIC : LIGHT

Ref Text: NCERT

Coordinating Staff: Preetha Vinod

Revision Worksheet No: 9

CLASS: VIII

Date of Issue: 05/10/2017

Name of the Student: _____ **Class VIII & Sec:** ____ **Roll No:** ____

Q1. The distance between the object and its image formed by a plane mirror appears to be 24cms. What is the distance between the mirror and the object? State any two characteristics of the image formed.

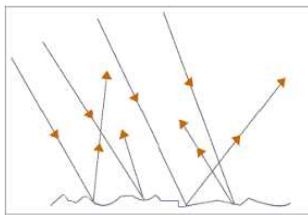
Q.2.The angle between the incident ray and reflected ray is 60° . What is the value of the angle of incidence?

Q.3.How many times is a ray of light reflected by two plane mirrors placed parallel and facing each other?

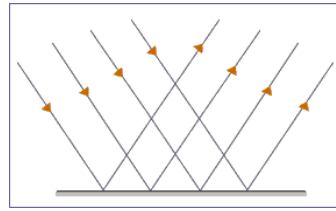
Q.4.What happens to the light when it gets dispersed? Give an example.

Q.5.How many kinds of nerve endings are found in human eye? What are their functions?

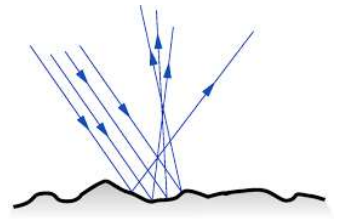
Q6. Light is falling on surface S1, S2 & S3 as shown in figure below. In which of the surfaces the angle of incidence is equal to the angle of reflection?



S1



S2



S3

Q.7. Eyes of nocturnal birds have large cornea and a large pupil. How does this structure help them?

Q.8. Why in old age the eyesight becomes foggy? How can this defect be removed?

Q.8. Differentiate between Reflection and Refraction of light.

Q9. Neena while waving her hand in front of his eyes observes that her fingers appear blurred. What could be the reason for this?

Q10. What are the functions of the eyelids?
