

INTERNATIONAL INDIAN SCHOOL BURAIDAH

WORKSHEET

Subject: Science

Class: VII

CHAPTER-15, (LIGHT)

I) Fill in the blanks:-

- 1) Bodies which give out their own light are called-----.
- 2) Regular reflection takes place from the ----- surfaces.
- 3) ----- refers to collection of rays.
- 4) ----- mirror is used as rear view mirror in automobiles.
- 5) White light is composed of many -----.
- 6) An image which can be obtained on a screen is called a ----- image.
- 7) Incident angle is always equal to ----- angle.
- 8) Shadows are formed when light falls on an ----- object.
- 9) An image which cannot be obtained on a screen is called ----- image.

II) Multiple Choice Questions:-

- 1) Bouncing back of light in the same medium is called
a) Reflection b) Refraction c) Rarefaction d) Retardation
- 2) When light bounces off a surface , the surface is
a) Reflector b) Opaque c) Transparent d) Translucent
- 3) A common magnifying glass is an example of
a) Concave mirror b) Concave mirror c) Convex lens d) Concave lens
- 4) The perpendicular to the reflecting surface is called
a) Normal rays b) Incident rays c) reflected rays d) refracted rays
- 5) Concave lens is also known as
a) Converging lens b) diverging lens c) biconcave lens d) bifocal lens
- 6) Regular reflection takes place by

- a) Plane surface b) Smooth surface c) Rough surface d) transparent surface
- 7) Light is a form of energy
a) Heat b) Temperature c) Energy d) power
- 8) Sky appears red during
a) Sunrise and sunset b) During day c) During early moon d) during moon
- 9) Virtual image is always
a) Erect and diminished b) Inverted and diminished c) Erect and magnified d) Erect and magnified(or) diminished
- 10) Concave lens is always forms
a) Real image b) virtual image c) inverted image d) magnified image
- 11) Which colours of light scattered least
a) Red b) blue c) green d) orange
- 12) White light consists of
a) Three colours b) five colours c) seven colours d) nine colours

III) Answer the following questions:-

- a) How rain bow is formed.
b) What is spectrum?
c) Write the laws of reflection.
d) Write the difference between real and virtual image?
e) What is a lens?
f) Why convex mirror is used as rear view mirror?
g) Write the difference between reflection and refraction of light.
h) What is a mirror? Write its different types.
i) Write difference between regular and irregular reflection of light.
j) Write difference between concave and convex mirror.