



# KALPAVRUKSHA MODEL SCHOOL

## Answers of Assignments

Class: VIII

Sub: Physics

Date: 22.5.2021

Topic: STARS AND SOLAR SYSTEM

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### I Answer and questions:

#### 1. What is one light year?

**Ans:** A light year is the distance travelled by light in one year.

#### 2. What do luminous objects mean?

**Ans:** If light is emitted by object, the object is called Luminous Object.

#### 3. Give three examples for luminous objects.

**Ans:** Stars, Torch, Candle, Filament of a Bulb, Hot red Iron, Fireflies.

#### 4. Write two differences between luminous and non-luminous objects.

LUMINOUS BODIES/OBJECTS	NON-LUMINOUS OBJECTS/BODIES
1. Luminous objects/bodies are Objects/bodies that do give out or emit light of their own.	1. Non-luminous objects/bodies are bodies/objects that do not give out or emit light of their own.
2. Luminous objects are visible as they emit light of their own.	2. Non-luminous objects are visible because of luminous objects.

#### 5. Define source of light.

**Ans:** A light source is anything that makes light. There are natural and artificial light sources. A few examples of natural light sources include the Sun, stars and candles. A few examples of artificial light sources include light bulbs, lamp posts and televisions.

#### 6. What do you mean by galaxy?

**Ans:** A galaxy is a huge collection of billions of stars and solar systems that are billions of kilometers away from each other.

#### 7. Define celestial bodies.

**Ans:** Celestial bodies in the Solar System: the Sun, planets, satellites, comets, asteroids and meteoroids.

