

CLASS-VIII
SCIENCE
CHAPTER-17

Very Short Answer Questions

Question 1.

Name the planet nearest to the Sun.

Answer:

Mercury

Question 2.

What is the speed of light?

Answer:

300000 km per second (3 x 10⁸ m/s).

Question 3.

Which is the brightest planet in the night sky?

Answer:

Venus

Question 4.

Name the star which is nearest to our solar system.

Answer:

Alpha centuari

Question 5.

Which planets do not have satellite of their own?

Answer:

Venus and Mercury

Question 6.

How many planets are there in our solar system?

Answer:

Eight

Question 7.

Which planet is called Red planet?

Answer:

Mars

Question 8.

Why Earth appears blue from space?

Answer:

Due to presence of water Earth appears blue from space.

Question 9.

What is the other name of Orion?

Answer:

Hunter

Question 10.

Which planet is least dense among all?

Answer:

Saturn

Question 11.

Do stars emit light only during night time?

Answer:

No, they emit light all the time

Question 12.

Name the unit which is used to measure astronomical distances?

Answer:

Light year

Question 13.

What is asteroid?

Answer:

Asteroid is a small rocky body orbiting the sun or found between the orbit of Mars or Jupiter.

Question 14.

Which is the other name of constellation Great Bear?

Answer:

Saptarishi

Question 15.

What is Sun?

Answer:

Sun is a star.

Question 16.

What are meteors?

Answer:

Meteors are bright streaks of light in the sky produced by the entry of a small meteoroids into the Earth's atmosphere. They are also called the 'shooting stars'.

Question 17.

What is a satellite?

Answer:

A satellite is defined as a heavenly body that moves around another heavenly body along its own orbit.

Question 18.

What is artificial satellite? Give examples.

Answer:

Satellites that are made by man are called artificial satellites. Example, INSAT, IRS EDUSAT, etc.

Question 19.

What are meteorites?

Answer:

The meteors which are so large that they do not evaporate completely before reaching the earth's surface are called meteorites.

Question 20.

What are comets?

Answer:

Comets are the members of our solar system. They revolve around the sun in highly elliptical orbit as a bright head with a long tail.

Question 21.

Define phases of Moon.

Answer:

The various shapes of the bright part of the Moon as seen during the month are called phases of Moon.

Question 22.

What are celestial objects?

Answer:

The objects such as stars, the planets, the moon and many other objects, in the sky are called celestial objects.

Question 23.

What are planets?

Answer:

The celestial bodies which revolve around the sun are called planets. There are total eight planets in our solar system, namely, Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune.

Question 24.

Why the Sun is also called as star?

Answer:

The Sun is also called as star because it has its own source of energy and it continuously emits light and heat.

Question 25.

What makes life possible on planet Earth?

Answer:

Some special environmental conditions responsible for the existence and continuation of life on the Earth are:

- Right distance from the Sun
- Right temperature range
- Presence of water
- Presence of oxygen and hostile atmosphere
- Presence of a blanket of ozone

Question 26.

Why meteors are not visible during daytime?

Answer:

The brightness of the streak of light formed by meteors are extremely less compared to that of the sun. Thus, meteors are not visible during daytime.

Multiple Choice Questions (MCQs)

Question 1.

The planet which is nearest to sun is

- (a) Neptune
- (b) Mercury
- (c) Earth
- (d) Mars

Question 2.

Farthest planet of the solar system is

- (a) Neptune
- (b) Jupiter
- (c) Mercury
- (d) Earth

Question 3.

How many stars does orion constellation have?

- (a) 8
- (b) 10
- (c) 12
- (d) 4

Question 4.

The Halley's comet is seen after every

- (a) 76 months
- (b) 76 years
- (c) 56 months
- (d) 56 years

Question 5.

The gap between the orbit of Mars and Jupiter have

- (a) asteroids
- (b) comets
- (c) meteor
- (d) meteorite