

Practice worksheet for class 8

Chapter 17:- Stars and Solar System

Q.A.) Fill in the blanks.

1. The sun is nearly 150,000,000 km away from the earth.
2. The distance of Alpha centaury is about 4.3 light years.
3. There are seven prominent stars in this constellation.
4. Moon is satellite of the earth.
5. The planet mercury is nearest to the sun.

Q. B.) Answer in one word.

1.) The day on which the whole disc of the moon is visible

Answer: - Full moon day

2.) Constellation that can be seen during winter in late evenings

Answer: - Orion

3.) Revolves around the sun

Answer: - Earth

4.) Nearest star from us

Answer: - Sun

5.) Nearest star to sun

Answer: - Mercury

6.) Morning or evening star

Answer: - Venus

7.) Largest planet of solar system

Answer: - Jupiter

8.) Known as shooting star

Answer: - Meteors

9.) First Indian satellite

Answer: - Aryabhata

10.) Only be seen through large satellites

Answer:- Asteroids

Q.C.) Define the following.

1.) Constellation.

Answer:- The stars forming a group that has a recognizable shape is called a constellation.

2.) An orbit.

Answer:- A planet has a definite path in which it revolves around the sun. This path is called an orbit.

3.) Satellite.

Answer:- A body revolving around another body is called satellite.

Q.D.) Name the eight planets in their order of distance from the sun.

Answer:- Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune.

Q.E.) What are Inner and Outer planets?

Answer:-

Inner planets:- 1. Includes Mercury, Venus, Earth and Mars.

2. They have very few moons.

Outer planets:- 1. Includes Jupiter, Saturn, Uranus and Neptune.

2. Have a ring system around them. 3. Have large number of moons.

Q.F.) What are Meteors and Meteorites?

Answer:- **Meteors**:- Meteors is a small object that occasionally enters the earth's atmosphere. It is a streak of light caused in earth's atmosphere.

Meteorites:- The body that reaches the sun.

Q.G.) True or false.

1.) The tail of a comet is always directed towards the sun.

Answer:- False

2.) Uranus is outermost planet of solar system.

Answer:- True

3.) Jupiter has faint rings around it.

Answer:- True

4.) The plane of equator is called equator plane.

Answer:- True

5.) Earth rotates from east to west.

Answer:- False

Q.H.) Name types of constellation.

Answer:- 1. Ursa Major

2. Orion

3. Cassiopeia

Regards,

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