

Geography. Worksheet

Ch-1 Earth and the Solar System

Date

12/5

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1. What are asteroids? Where are they found?

Ans Celestial bodies that revolve around the Sun between the orbits of Mars and Jupiter are called asteroids. The asteroid belt found between the orbit of Mars and Jupiter is where many asteroids are found.

2. Why is our planet neither too hot nor too cold?

Ans Our planet ~~is~~ neither too hot nor too cold because it has optimum distance from the Sun.

3. Why does the moon look as big as the sun?

Ans Distance between earth and sun is 151.13 million km.
Distance between earth and moon is 380,000 km

Distance of Sun is 400 times the distance of moon from earth.
Radius of Sun is 696,340 km
Radius of Moon is 1,737 km
Hence, the size of Sun is 400 times bigger than our moon.

That means even though the Moon is 400 times smaller than the Sun it is also about 400 times closer to the Earth than the Sun. So, the moon and sun appears to be roughly the same size.

4. How many known constellations are there in the night sky? Name some of the constellations.

Ans. There are 88 known constellations in the night sky. Some of them are Ursa Major, Orion, Leo, etc.

5. What is light year?

Ans. The distance travelled by light in a year is called a light year.

A light year is roughly equal to 9.5 trillion km.

6 What are satellites?

Ans. A satellite is a celestial body or machine that orbits around a star or planet.

Fill ups

1. Neptune is the farthest planet from the sun.
2. Human made satellites are sent to space to collect information for scientists.
3. After the sun, gas giants / outer planets are the largest bodies in our solar system.
4. The moon takes about 27 days and 8 hours to revolve around the Earth.

5. Saturn has 82 number of satellites

Define the following:

1. Satellite - ~~A~~ A celestial body or machine that orbits around a star or planet.
2. Galaxy - a group of stars, dust, gas and other matter bound together by a force called gravity.
3. Meteor - ~~Piece~~ A piece of rock moving at tremendous ~~the~~ speed around the sun.
4. Comet - a celestial object that is icy and small that passes close to the sun and forms a tail of dust particles. ~~that~~