

Geography
Chapter – 1
(Question – answer)

THE EARTH IN THE SOLAR SYSTEM

CLASS VI CH 1 THE EARTH IN THE SOLAR SYSTEM NCERT

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1. Answer the following questions briefly.

(a) How does a planet differ from a star ?

Ans:

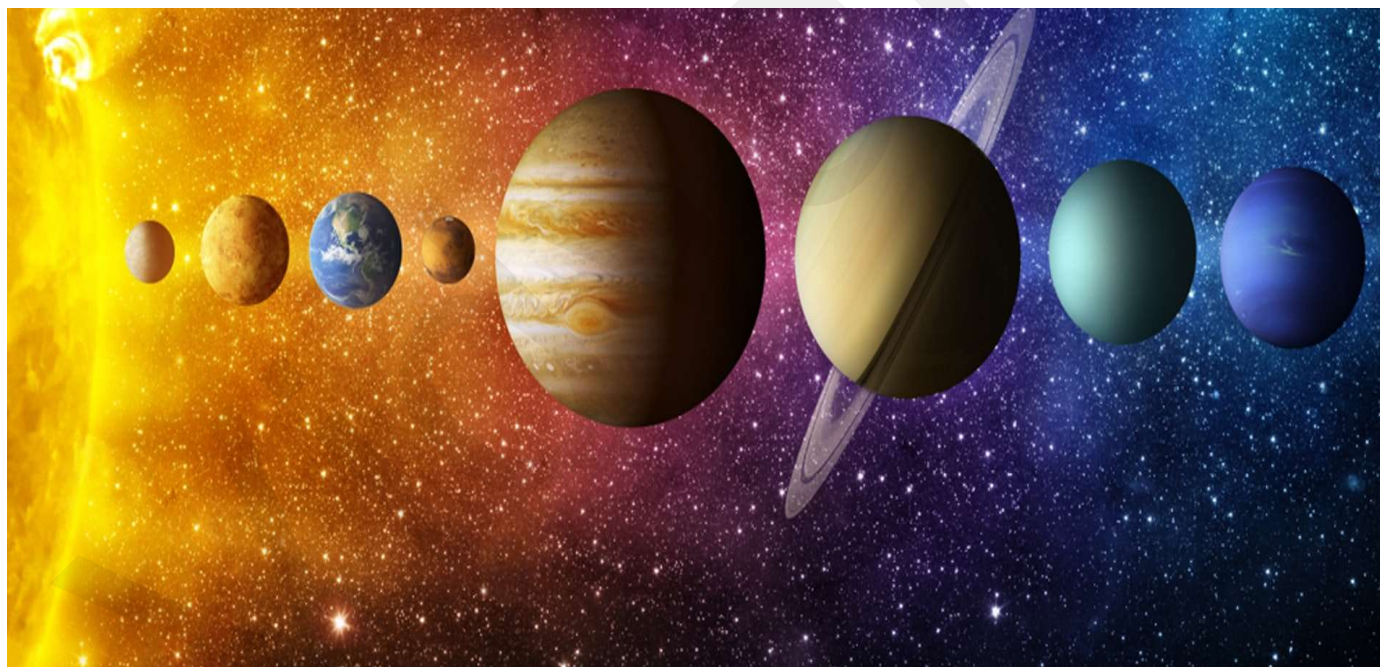
Planet	Star
➤ A Planet does not have its own light and heat. It derives its light from a star.	➤ A star possesses its own heat and light.
➤ A planet is usually smaller than stars.	➤ Stars are very large objects compared to a planet in general.

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(b) What is meant by the 'Solar System'?

Ans:



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Ans: The term Solar System refers to the “family” of the Sun. The Sun is a star around which eight planets, among other celestial objects, revolve in orbits. This whole system of bodies is called the Solar System. The Sun is the “head” of this system.

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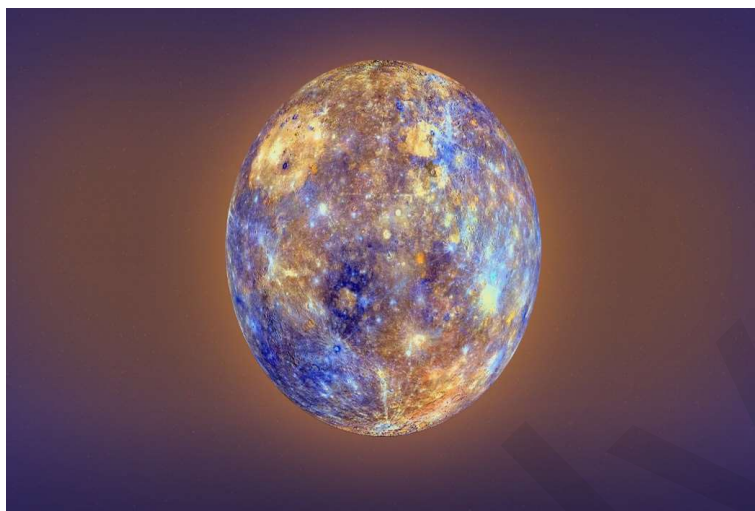
(c) Name all the planets according to their distance from the sun.

The list of planets in the order of their distance from the Sun is as follows:

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(i)



Mercury

(ii)

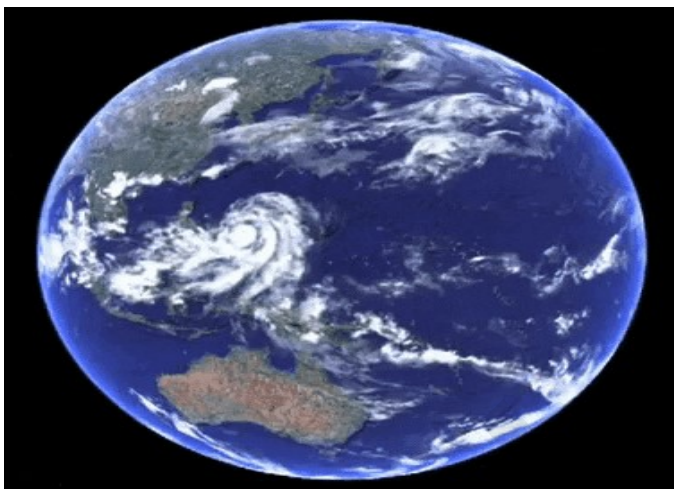
Venus



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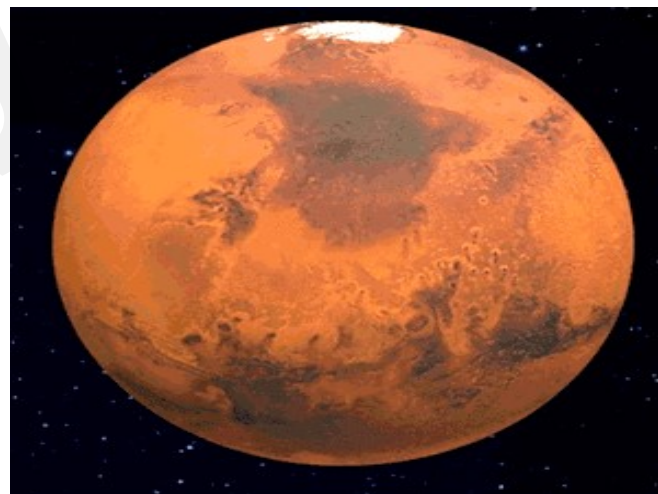
(iii)



Earth

(iv)

Mars



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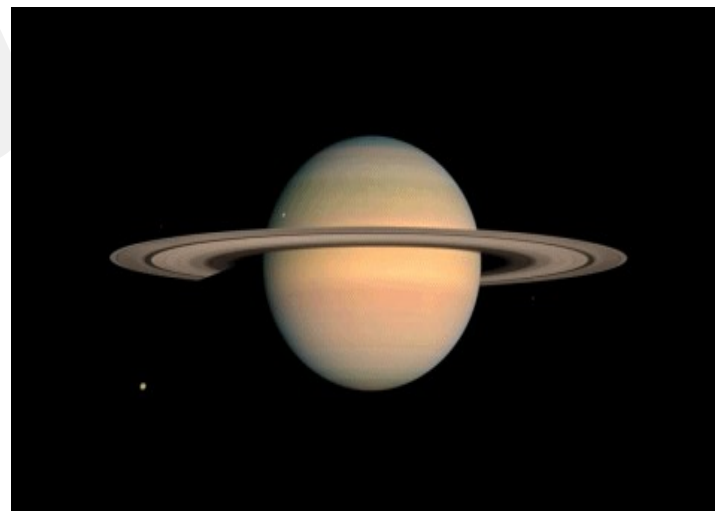
(v)



Jupiter

(vi)

Saturn



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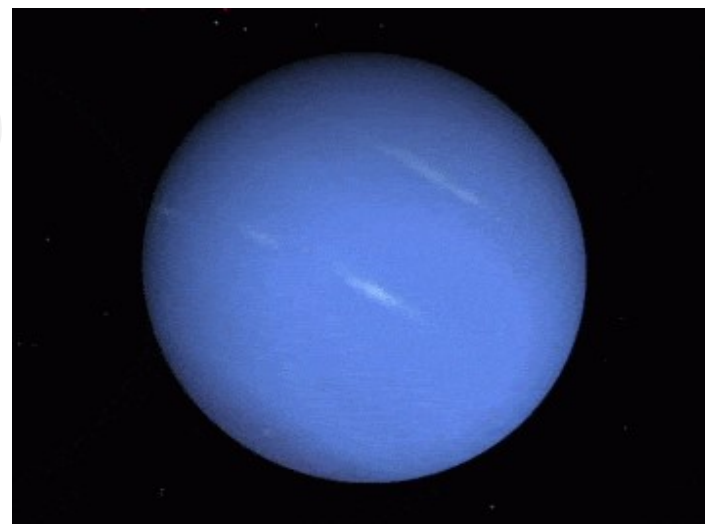
(vii)



Uranus

(viii)

Neptune



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(d) Why is the Earth called a unique planet?

Ans: The Earth is regarded as a unique planet because of the following reasons:

- (i) It is the only planet known to support life. It has oxygen and water present in proportions that allow life to thrive.
- (ii) It also has a temperature range that supports life.
- (iii) The proportion of water present is about two-thirds of the surface of earth when compared to land.

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(e) Why do we see only one side of the moon always?

Ans:



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Ans:

One revolution of the moon around the earth takes about 27 days.

Incidentally, the moon's rotation about its own axis also takes nearly the same time. One day of the moon is equal to 27 Earth days. So only one side of the moon can be seen from the earth.

(f) What is the Universe?

Ans:

The Universe is the largest unit in which we live. It is a collection of galaxies. There is only one Universe, and everything that exists, exists in this Universe itself.



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2. Tick the correct answer.

(a) The planet known as the “Earth’s Twin” is

- (i) Jupiter
- (ii) Saturn
- (iii) Venus

Ans:

(iii) Venus

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(b) Which is the third nearest planet to the sun?

- (i) Venus
- (ii) Earth
- (iii) Mercury

Ans:

(ii) Earth

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(c) All the planets move around the sun in a

- (i) Circular path
- (ii) Rectangular path
- (iii) Elongated path

Ans:

- (iii) Elongated path

(d) The Pole Star indicates the direction to the

- (i) South
- (ii) North
- (iii) East

Ans:

- (ii) North

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(e) Asteroids are found between the orbits of

- (i) Saturn and Jupiter
- (ii) Mars and Jupiter
- (iii) The Earth and Mars.

Ans:

- (ii) Mars and Jupiter

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3. Fill' in the blanks.

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- a) (a) A group of stars forming various patterns is called a constellation
- b) (b) A huge system of stars is called Galaxy
- (c) Moon is the closest celestial body to our earth.
- (d) Earth is the third nearest planet to the sun.
- (e) Planets do not have their own Heat and light