

DLP SCIENCE YEAR 3

UNIT 9 : SOLAR SYSTEM

WORKSHEET 3

Orbit of Planets

Textbook: PP. 122 – 123

Write the correct name of planets based on the statements given below. LS9.1.1, LS9.1.2, LS9.1.4 PL1 PL2

1. This planet has the hottest temperatures.

2. This planet has the lowest temperatures.

3. This planet is suitable for habitation of humans, animals and plants.

4. This planet has a ring-shaped coil around it.

5. This planet takes one year to circulate the Sun.

6. This planet takes the longest time to circulate the Sun.

7. This planet has a thick atmosphere.

8. This planet is the closest planet to the Sun.

Performance Level (PL):

PL 1 State the center of the Solar System.

PL 2 Name the members of the Solar System.

Complete the statements below using the words given. **PL 1** **PL 2**

meteoroids comet Moon Sun Earth asteroid belt

- (a) The _____ that is formed by gases is the centre of the Solar System.
- (b) The _____ is the only planet with life because it has water and air.
- (c) Asteroids move around the Sun in an orbit between Mars and Jupiter is known as the _____.
- (d) There are millions of small metallic rocks that float in space which are known as _____.
- (e) The _____ is the only natural satellite of the Earth that influences the occurrence of high and low ocean tides.
- (f) A _____ is an icy lump that contains a mixture of gas and dust and moves around the Sun in a huge elliptical orbit.

Statement**TRUE / FALSE**

1. The Moon is the centre of the Solar System.

2. Asteroid moves in its orbit that is located between planet Mars and planet Jupiter.

3. Natural satellite is a natural object that surrounds a planet.

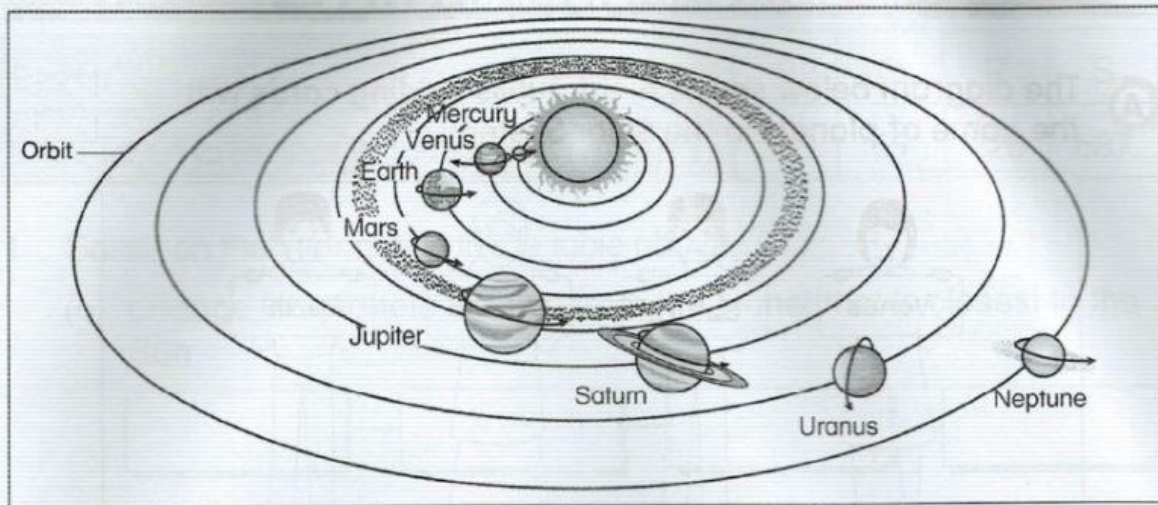
4. The closest planet to the Sun is Mercury. Therefore the temperature of this planet's surface is the hottest.

5. The Earth takes 365 days to complete one circulation around the Sun.

6. Meteoroids are pieces of rock that are produced due to the collision of asteroids.

7. The Earth is not suitable for living things such as humans because the temperature is too hot.

E The diagram below shows the planets in the Solar System.



Underline the correct answers based on the diagram above.

- 1 All planets revolve around the on their orbits.
- 2 Mercury takes the time to revolve around the Sun while Neptune takes the time to revolve around the Sun. This is because Mercury is the planet from the Sun, while Neptune is the planet from the Sun.
- 3 The Earth takes days to revolve around the Sun and is the third planet from the Sun.
- 4 The hottest planet in the Solar System is .
- 5 The the distance of the planets from the Sun, the shorter the time taken to make a complete revolution around the Sun.

longest

Venus

Sun

closer

365

closest

shortest

furthest