

**Grade 4  
Science****Our Universe: Solar System****A Choose the correct option.**

- \_\_\_\_\_ are the tiny twinkling objects in the sky.  
a. Planets      b. Satellite      c. Stars      d. Both a & b
- Which of the following is a cause of day and night on earth?  
a. Rotation      b. Revolution      c. Both a& b      d. None of these
- Which planets are of the middle of the solar system?  
a. Mercury      b. Earth & Mars      c. Jupiter      d. Both a & b
- Which of the following is a cause of seasons on earth?  
a. Rotation      b. Earth's tilted axis      c. Revolution      d. Both b & c
- In which direction the Earth spins on its axis?  
a. From west to east      b. From east to west  
c. From north to south      d. From south to north
- Which layers that float on the molten outer core?  
a. Crust and Mantle      b. Crust and Inner core  
c. Mantle and Inner core      d. Mantle and Outer core
- Which minerals are found mainly in innermost layer of the Earth?  
a. Iron and Nickel      b. Iron and Magnesium  
c. Copper and Iron      d. Copper and Magnesium
- How many Days the Earth takes to complete revolution?  
a. 10      b. 24 and 1/4      c. 365      d. 365 and 1/4

**B Define.**

1. Axis:- \_\_\_\_\_

\_\_\_\_\_

2. Solar system:- \_\_\_\_\_

\_\_\_\_\_

3. Dormant Volcanoes:- \_\_\_\_\_

\_\_\_\_\_

4. Orbits:- \_\_\_\_\_

\_\_\_\_\_

**C Complete the following table.**

Planets	Satellites	Indian name	Period of Revolution
1. Mercury			
2. Venus			
3. Earth			
4. Mars			
5. Jupiter			
6. Saturn			
7. Uranus			
8. Neptune			

**D Give two examples of following.**

1. Inner planets:- \_\_\_\_\_

2. Outer planets:- \_\_\_\_\_

3. Extinct volcanoes:- \_\_\_\_\_

## Answers

A.

1. Stars
2. Rotation
3. Earth and Mars
4. Revolution
5. From north to south
6. Crust and Mantle
7. Iron and Nickel
8. 365 and 1/4

B.

1. An imaginary line running through the centre of the Earth from the North pole to South pole is called axis.
2. The Sun, the eight planets and their satellites, along with some heavenly bodies make solar system.
3. Volcanoes that have not erupted for a long time, but can erupt again are called dormant volcanoes.
4. Fixed path along which planets move around the sun is called its orbit.

C.

Planets	No. of Moon	Indian name	Period of Revolution
1. Mercury	0	Budh	88 days
2. Venus	0	Shukra	225 days
3. Earth	1	Prithvi	365 days
4. Mars	2	Mangal	687 days
5. Jupiter	79	Brahaspati	12 Years
6. Saturn	82	Shani	30 Years
7. Uranus	27	Arun	84 Years
8. Neptune	14	Varun	165 Years

D.

1. Mercury, Venus
2. Jupiter, Saturn
3. Chimborazo Volcano in Ecuador, Shiprock Volcano in New Mexico