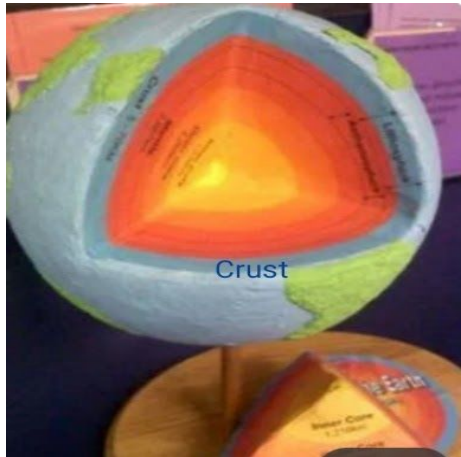


Science. . Std-IV

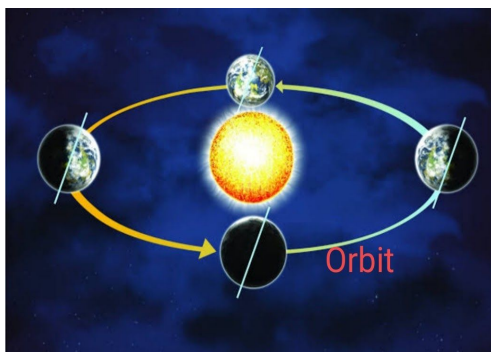
L-Our universe : The solarsystem

A. Fill in the blanks* .



1. The outer layer of the earth is called the _____ .

Ans. Crust



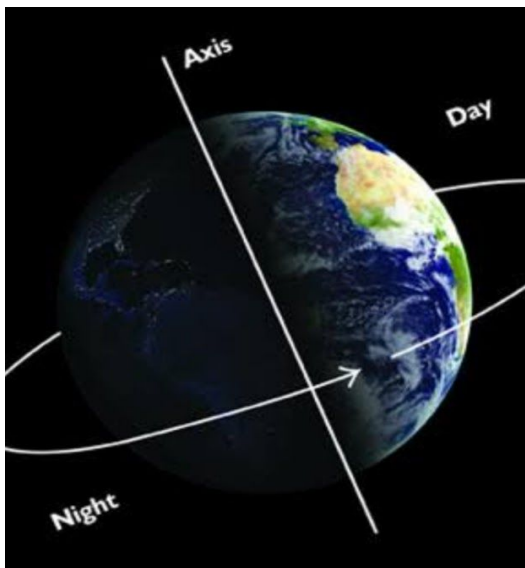
2. The movement of the earth around the sun in a fixed orbit is called _____.

Ans. Revolution



3. _____ is a planet in the solar system that has ring around it .

Ans. Saturn



4. The Earth takes about _____ to complete one rotation on its axis .

Ans. 24 hours



5. _____ is the largest planet in the solar system .

Ans. Jupiter

***B. Write true or false* .**

1. The axis of the Earth is tilted at an angle of 23.5°
- True

2. Equator is an imaginary line around the centre of the earth that divides it into four equal parts - False

3. The sun , the planets , the satellites and the dwarf planets together form the solar system - True

4. Spring is the season that falls between winter and summer- True

5. When the Magma reaches the surface of the earth It is called mentle - False

***C. Answer these questions*.**

Q.1 what are stars made up of ?



Ans. Stars are made up of hot gases.

Q.2 Why is earth called the blue planet ?



Ans. Earth is called the blue planet as 70% of Earth's surface is covered with water .

Q.3 What is a satellite ? Give one example .



Ans. Satellites are the heavenly bodies that revolve around the planets . That are smaller in size compared to planets.

The moon is a satellite of the Earth .

Q.4 List two features of the crust of the earth .

Ans. Two features of the crust are ;

- * It is the outer layer of the Earth on which we live .**
- * It is the thinnest and the coldest layer of the earth made up of rocks .**

Q.5 What is an extinct volcano ?

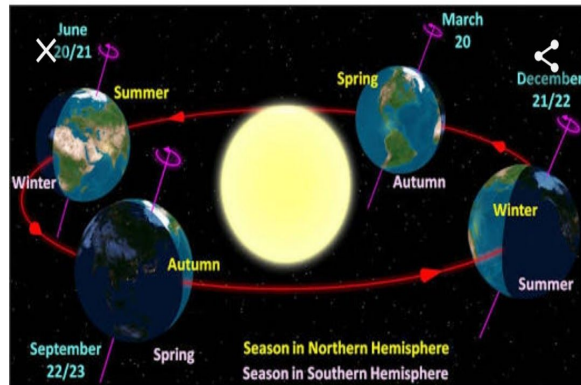
Ans. A Volcano that has not known to have erupted in the past and have no chance to erupt in future is known as an extinct volcano.

Q.6 What causes day and night.?

Ans. The rotation of the earth on its tilted axis causes day and night .

Earth takes 24 hours to complete one rotation .

Q.7 How do seasons occur on earth ?



Ans. The revolution of the earth around the Sun and its tilted axis cause the seasons .
 Earth takes 365 days and 6 hours to complete its one revolution around the sun .

Q.8 Give three differences between a star and a planet .

Ans. STAR

- * Star is a huge ball of gases .
- * It produces its own light and heat .
- * It remains fixed at one place.

PLANET

- * A planet is a huge ball of rocks .
- * It does not have light of its own .
- * It moves around the sun along a fixed path called Orbit .

Q.9 DEFINE

a. Volcano. b. Solar system



Ans. VOLCANO -

It is an opening in the Earth's surface from which molten rocks and hot gases come out.

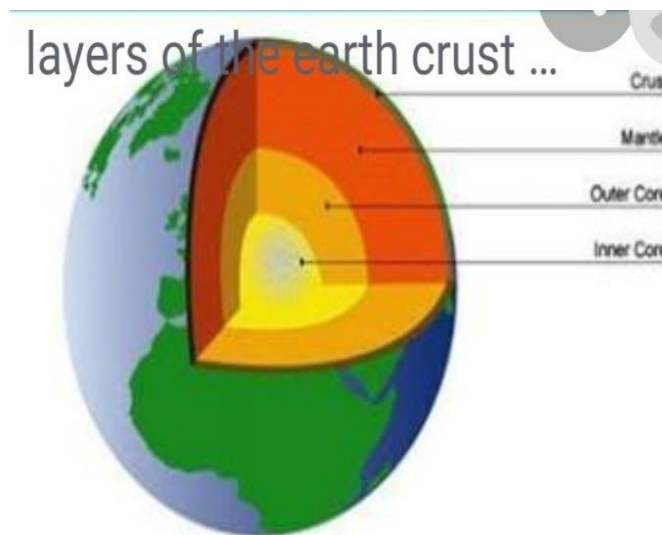
SOLAR SYSTEM



The Sun , the planets , the satellites , the dwarf planets and other heavenly bodies together form the solar system .

Q.10 What are these layers of the earth made up of ?

- a. Mantle. b. Core**



Ans. MANTLE -

The Mantle is the middle layer of the earth made of rocks which are rich in silicon, magnesium , iron , aluminum and calcium.

CORE -

The core is the innermost layer of the earth which contains molten rocks , minerals and metals, mostly iron and nickel .

FIND OUT ;

ONE EXAMPLE OF EACH

- * ACTIVE VOLCANO**
- * DORMANT VOLCANO**
- * EXTINCT VOLCANO**

**PASTE THE PICTURE OF SOLAR system and
NAME THE PLANETS.**

**PASTE THE PICTURES SHOWING THE ROTATION
AND REVOLUTION OF THE EARTH.**