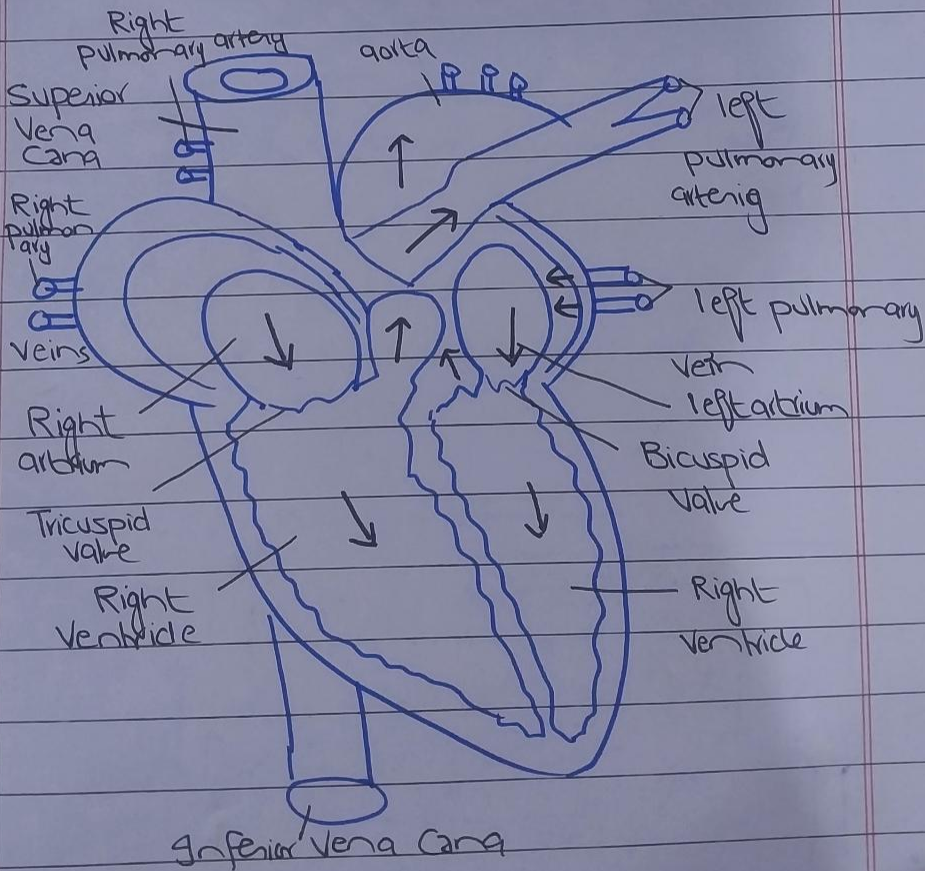


Date: \_\_\_\_\_

### Double Circulation:

The human circulatory system consists of three main components: blood vessels, blood and Heart. The human heart, fist-size muscular organ, works in double circulation, which means blood passes through the heart twice per circuit.

### Circulation of the blood in the body:



### Blood enter the heart:

Deoxygenated blood enters the heart through Right atrium. The blood goes into

Date: \_\_\_\_\_

right ventricle through tricuspid valve.

### Blood pumped to lungs:

The left pulmonary artery carry deoxygenated blood into lungs, where oxygenation of blood occurs. takes place.

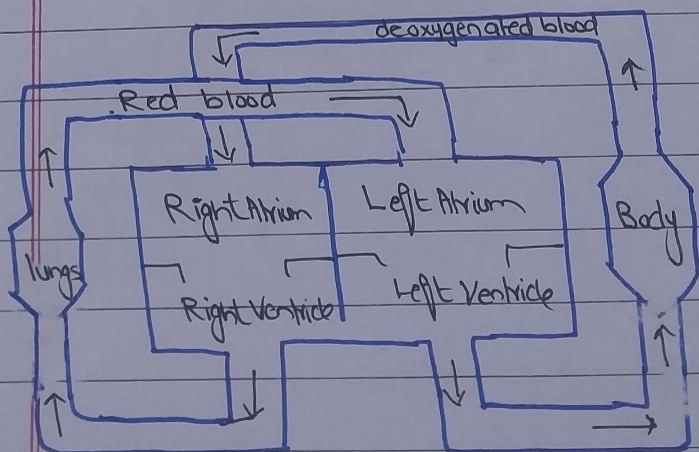
### Blood returns to the heart:

The oxygenated blood from lungs is brought to the heart by left pulmonary veins.

The blood moves from the left atrium to left ventricle through Bicuspid valve.

### Blood pumped to the Body:

This oxygenated blood is flows from left ventricle to aorta, largest artery of the body, The aorta supplies it to the whole body.



Q Briefly explain what effects are produced due to rotation and revolution of earth.

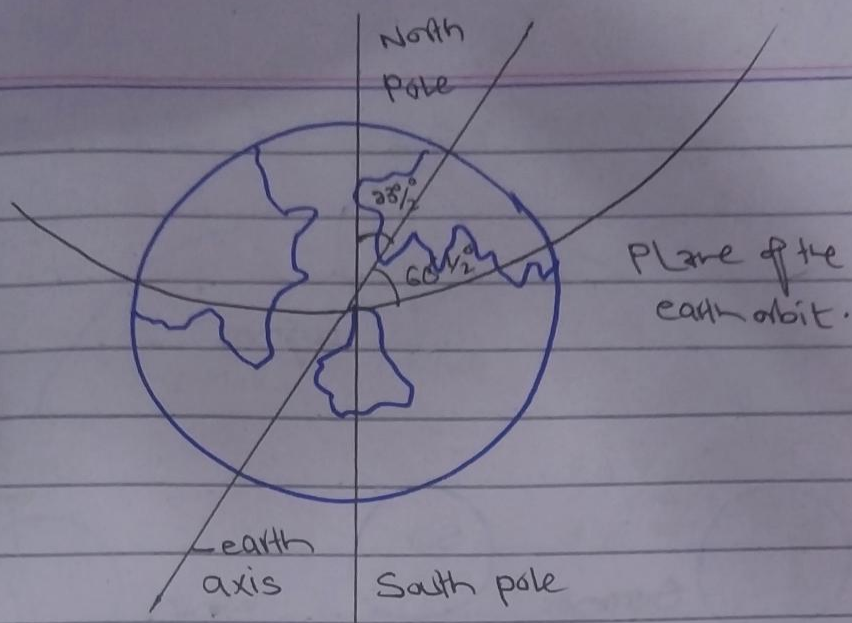
Ans Rotation of earth :

"The spinning of earth at its own axis is called rotation." The earth rotates from west to east (counter-clockwise), which causes celestial body like the sun, the moon, and star to appear in the east and set in the west.

Effects produced due to Rotation of earth :

Rotation of the earth has the following effects: on the

- 1) Due to the rotation of the earth, the Earth experience day and night
- 2) The sun, moon, and stars appear in the east
- 3) It has created bulge at equator



## Revolution of earth:

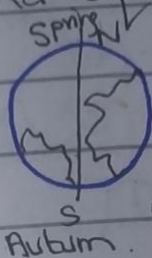
"The movement of the earth around the sun in a fixed path is called Revolution."

The earth takes 365 day, 5 hours, 48 min & 46 sec to complete 1 Revolution.

effects produced due to Revolution of earth:

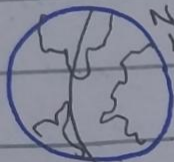
The tilt of the Earth's axis and its revolution around the sun causes the variation in seasons like summer, winter, autumn, and spring. The seasons of the earth are directly connected to the

both Solstice and equinox



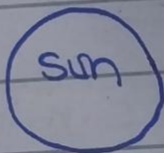
equinox  
(21 March)

N Summer in  
Northern Hemisphere

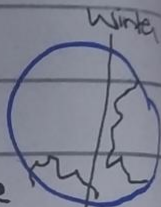


Summer  
Solstice  
21 June

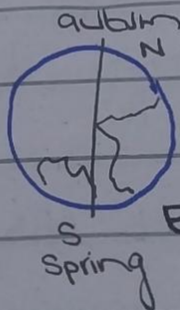
Winter in  
Southern Hemisphere



Winter  
Solstice  
22 Dec



Summer



Equinox (23 Sep)