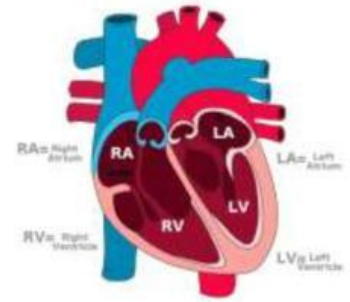


Transporting Materials

Write T or TRUE on the left of the statement if it is correct. If the statement is FALSE, correct the sentence to make it TRUE.

1. Phloem is a type of vascular tissue that carries water and dissolved nutrients from the roots to the stem and the leaves.
2. Xylem is a kind of tissue that transports oxygen within the human body.
3. An example of an organism that uses an open circulatory system is the bee, and an example of a closed one is the frog.
4. Gills are found in fish, and their function is to absorb oxygen from water and get rid of carbon dioxide.
5. The exchange of oxygen gas and carbon dioxide happens between the bronchi and the blood.
6. The diaphragm is a muscle above the lungs that helps the breathing process.
7. The human heart is made up of muscle cells and has two chambers.
8. The atria in the heart contract to pump blood out of the heart.
9. The movement of molecules in and out of the cell takes place from an area of low concentration to an area of high concentration.
10. Stomata are a transport system of water and nutrients within the cell.

11. Explain why the muscles of the walls of the heart in the ventricles are thicker than those of the atria.



12 . Use the word bank to label the parts of the respiratory system.

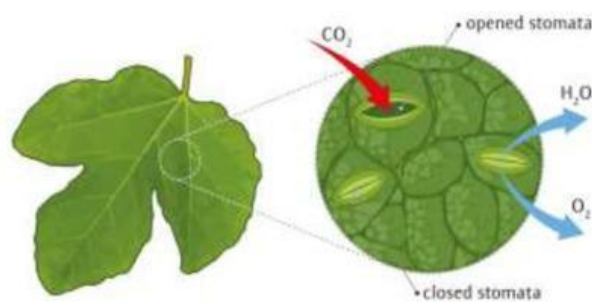


Word Bank			
diaphragm	mouth	nose	trachea
lungs	bronchus	pharynx	bronchiole

13. The picture below shows the alveoli in the lungs and the blood capillaries. Explain why the alveoli are surrounded by tiny blood capillaries and their role in keeping cells alive.



14. Use the diagram below and answer the following questions.



a. Name the process that uses CO_2 in the plant cells.

b. Name the waste gas produced as a result of this process and describe how the gas exits the plant.