

Name\_\_\_\_\_Period\_\_\_\_\_Date\_\_\_\_\_

### Life Science Circulatory and Respiratory Systems Vocabulary

**Directions:** Write the correct definition in the blank provided for each word. Remember the glossary can help you define difficult words. This information will be scattered in several sections and chapters.

1. Circulatory system - System responsible for the transportation of not only oxygen and carbon dioxide but also sugars, vitamins, waste products, etc.
2. septum - Thick wall of tissue that separates each half of the heart
3. ventricle - The lower two chambers of the heart responsible for pumping blood to the lungs and then the rest of the body
4. aorta - largest artery in the body.
5. artery - Blood vessels (pipelines) that carry blood from the heart to the capillaries
6. capillaries - Tiny, thin-walled blood vessel that allows for gas exchange
7. veins - Blood vessels (pipelines) that carries blood back towards the heart
8. plasma - The liquid component of blood that carries sugars, and other dissolved nutrients
9. list the four components of blood and list their major functions-  
Red Blood Cells - transports oxygen and other nutrients to and carbon dioxide away  
White Blood Cells - part of the immune system and destroy pathogens  
Plasma - the liquid portion of the blood that carries dissolved substances  
Platelets - Clotting factors carried in the plasma that seal wounds
10. respiratory system - System responsible for obtaining the oxygen and getting rid of carbon dioxide from the body
11. trachea - Windpipe; tube that carries air to lungs
12. vocal cords - Tissue in the larynx that vibrates with the passage of air to make sounds
13. bronchus - One of the branches that leads into either lung
14. alveoli - Tiny balloons in the lungs that help give off oxygen and collect carbon dioxide
15. lungs- the organ responsible for respiration
16. diaphragm - Muscle that aids in breathing, located at the bottom of the chest