

7th Grade Life Science

The Respiratory and Circulatory System - Study Guide:

Understand the meanings of the following Key Science Words/Terms:

Circulation, heart, pulmonary vein/artery, vein, capillary, artery, blood pressure, valve, aorta, atrium, ventricle, blood, plasma, platelets, red blood cells, white blood cells, alveoli, diaphragm, lungs, respiration, breathing.....

Textbook pages:

1. Know the function of the respiratory system. Explain the role of the lungs, rib cage and diaphragm in the process of getting air into and out of the lungs (Breathing). Be able to describe how the chest cavity changes to affect air pressure and cause breathing. You should be able to describe how the lungs fill and empty of air. Know the relationship between breathing and respiration. Recap and study respiration again

Pp 387-391
+ other resources

2. Know the function of the circulatory system. Explain the role of the different blood vessels in the circulatory system. Be sure that you can describe the passage of blood through the heart and around the body. Be able to describe the two loops, one to the lungs and one to the body. Known as the the systemic (body) circulation and the pulmonary (lungs) circulation and understand the function of each. Be able to identify the four chambers of the heart and their role in the circulation of blood.

Pp 393-399
+ other resources

3. Review the chapter summaries, vocabulary and questions.
4. Visit the websites given in class and research/study the two body systems we are learning currently

Helpful Strategies for Studying:

- Write summaries of all the key points.
- Use Flash cards for vocabulary practice.
- Create drawings and tables to help compare and contrast.
- Practice questions in the review section.
- Work with a friend(s) and discuss the information.

- Check with your teacher on anything you are not clear about.