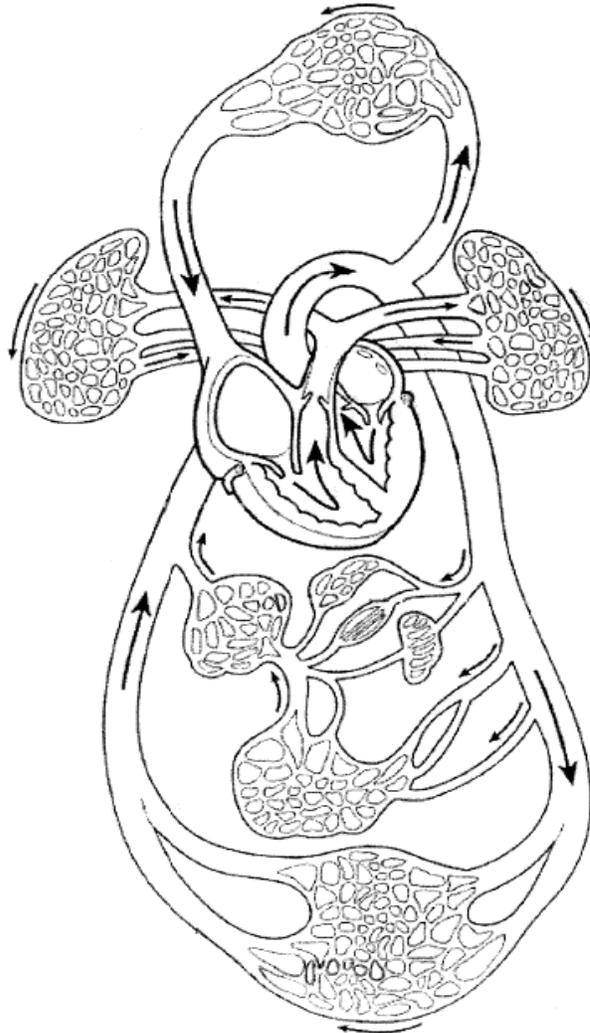


**Section 12.1- Anatomy of the Heart
Regular Anatomy**

1. Using a textbook and the list below, label the different circuits of the cardiovascular system and its parts.
2. Color blue all of the areas within each circuit that oxygen-poor blood flows through.
3. Color red all of the areas within each circuit that oxygen-rich blood flows through.
4. Draw arrows indicating the direction of how carbon dioxide and oxygen move within the cardiovascular system.



Heart

Lung capillaries

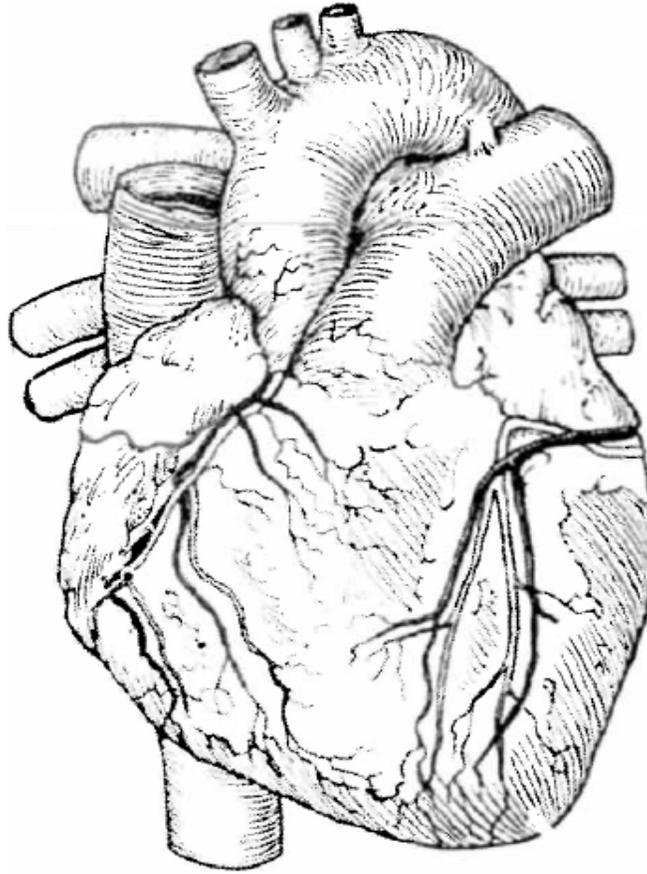
Pulmonary circuit

Systemic circuit

Tissue capillaries

1. The pulmonary circuit is the circulation of blood between the _____ and the _____.
2. The systemic circuit is the circulation of blood between the _____ and the _____.
3. Where does blood change from oxygen-poor blood to oxygen-rich blood? _____
4. Why does blood change color from red to blue at the tissue capillaries? _____

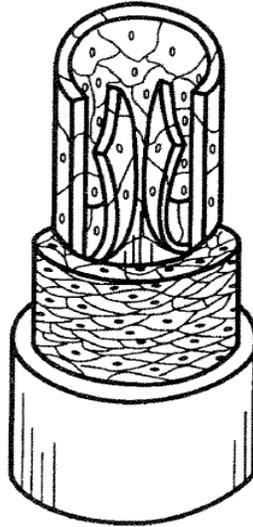
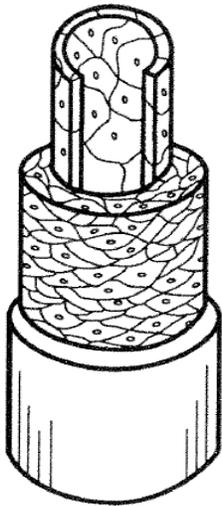
1. Using the color green, draw in and label the visceral pericardium surrounding the heart.
2. Using the color purple, draw in and label the parietal pericardium surrounding the heart.
3. The area between the visceral and parietal pericardium is a serous cavity. Color this yellow and label it.



1. List the 2 functions of pericardial fluid.
2. The thickest part of the heart wall composed of cardiac muscle is called the _____.
3. The inner lining of the heart chambers is called the _____.

Section 12.3-Blood Vessels

Using different colors the list below, color and label the different blood vessels and their parts.



- Artery
- Capillary
- Tunica externa
- Tunica interna
- Tunica media
- Valve
- Vein

1. The _____ is the blood vessel that exchanges gases between the alveoli in the lungs or tissues in the body.
2. The _____ is the blood vessel that transports blood away from the heart.
3. The _____ is the blood vessel that transports blood to the heart.
4. Give one characteristic of an artery that distinguishes it from a vein.
5. Give one characteristic of a vein that distinguishes it from an artery.