

Refer to your textbook pages 100-102 to complete the following summary of the Circulatory System.

Purpose and Function of the Circulatory System (Fill in the blanks using the terms below.)

valves exchange arteries veins contracts capillaries oxygen wastes nutrients

The function of the circulatory system is to transport _____ and _____ to cells and carry _____ away from cells to the organs responsible for eliminating them from the body.

The heart is a muscular pump. When the heart _____, it produces pressure on the blood in the circulatory system. This pressure pushes blood through the body. The body travels away from the heart in vessels called _____. It returns to the heart through vessels called _____. To stop blood from flowing backwards, flexible flaps of tissue called _____ are found throughout the circulatory system in the heart and veins. Arteries and veins are connected by tiny, thin-walled vessels called _____. These very small vessels are in close contact with the organs and tissues of the body. The _____ of nutrients, wastes, oxygen and carbon dioxide occur between tissues and the blood through the walls of these small vessels.

Structure of the Heart: Refer to the Diagram on Page 100 to complete the labels of the heart.

