

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.

