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Circulatory and Excretory Systems Section 41–1

SKILL ACTIVITY—— Labeling a diagram

Analyzing the Human Heart

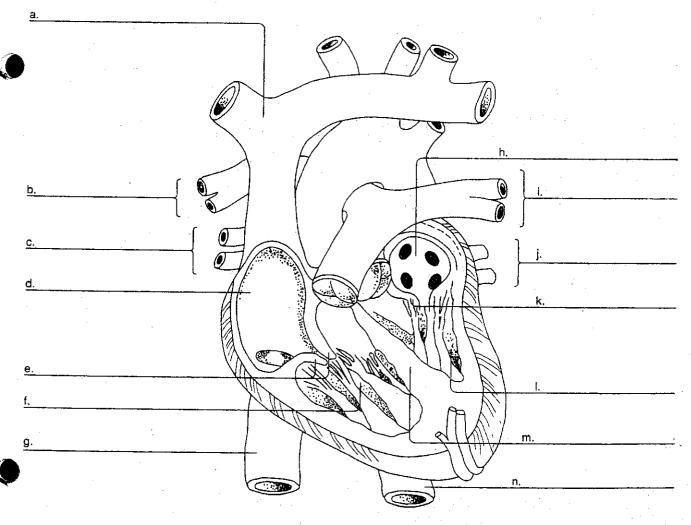
Your heart is only slightly larger than your fist, yet it is more powerful, durable, and hardworking. Its job is to pump blood to the lungs and to all of the body tissues. In this activity you will use a diagram of the heart to analyze the way in which the heart works.

1. Using the following word list, label the various parts of the heart on the diagram.

Right ventricle Left ventricle Upper vena cava Lower vena cava

Aorta

Left atrium Right atrium Tricuspid valve Bicuspid valve Septum Right pulmonary arteries Left pulmonary arteries Right pulmonary veins Left pulmonary veins



3. Us	
	e arrows to show the direction of blood flow.
Answ	er the following questions.
1. Th	rough which parts of the heart does oxygen-rich blood flow?
	ough which parts of the heart does oxygen-poor blood flow?
Wh	at is the difference between veins and arteries?
e val e hea mag	umatic fever is a serious disease in which the joints of the body, the pericardium, and ves of the heart become inflamed. It can do damage to all parts of the body, especially art valves. The valve between the left atrium and left ventricle usually receives the most e in the form of scar tissue. Masses of scar tissue prevent the valve from closing y. This also causes the heart to make a gurgling sound that is called a heart murmer.
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