

Name: _____

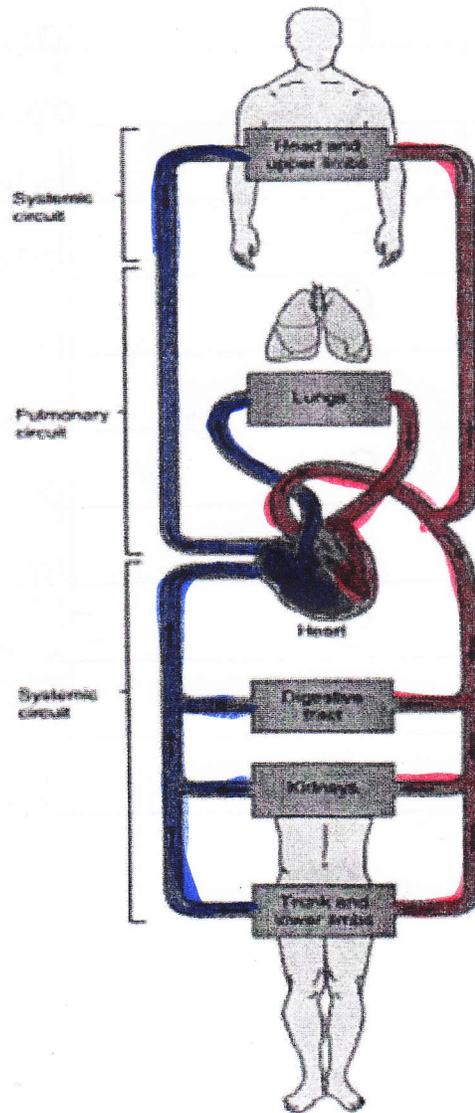
Sec 3 Systemic and Pulmonary Circulation Worksheet

1. What is the difference between the Systemic and Pulmonary circulation?

to and from body
oxy → deoxy blood

to & from lungs
deoxy → oxy blood

2. In the diagram below, color the oxygenated blood RED, and the deoxygenated blood BLUE. Be sure to label the three types of blood vessels: artery, vein, and capillary. Also, label the four chambers of the heart!



3. Fill in the table below:

Structure	Pulmonary or Systemic Circulation?	Function
Inferior Vena Cava	S	} veins that bring deoxy blood back from body
Superior Vena Cava	S	
Right Atrium	S	pool deoxy blood
Tricuspid Valve	S	separate atria ^{right atrium} & ventricle
Right Ventricle	P	pumps blood to lungs
Pulmonary Valve	P	separate R ventricle from pulm. artery
Pulmonary Arteries	P	bring blood to lungs
Pulmonary Veins	P	bring blood lungs → ♥
Left Atrium	P	pool oxy blood
Mitral Valve	P	separate left atrium & ventricle
Left Ventricle	S	pumps blood to body
Aortic Valve	S	separate L ventricle from aorta
Aorta	S	- sends oxy blood to body - largest artery in body
Septum	I	muscular tissue separating R & L of ♥
Myocardium	I	heart muscle