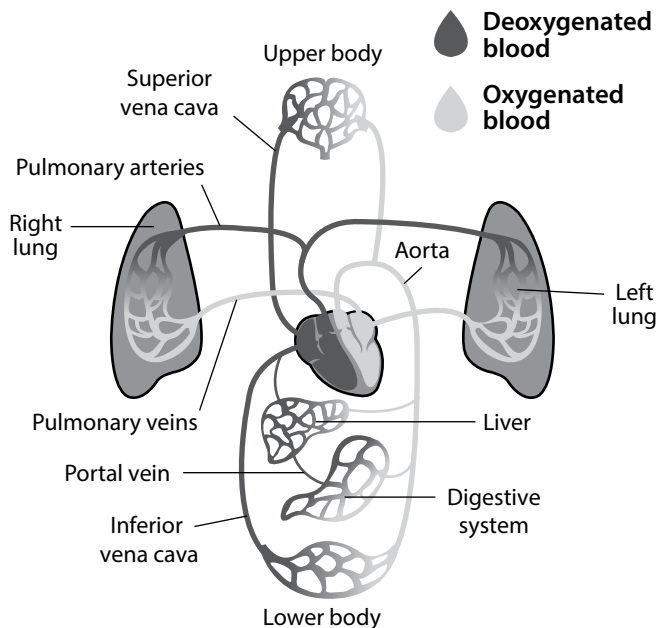


Anatomy & Physiology: THE CARDIOVASCULAR SYSTEM



► The **circulatory system** carries nutrients, gases, and hormones in blood throughout the body.

THE CIRCULATORY SYSTEM



TERMS

aorta: artery from which oxygenated blood is pumped from the heart to the rest of the body

arteries: large, firm vessels that transport oxygenated blood throughout the body from the heart

atria: chambers of the heart that receive the blood

blood: fluid composed of plasma, red blood cells, white blood cells, and other molecules; delivers nutrients and gases to body locations and removes waste

blood pressure: pressure exerted on the vessels of the cardiovascular system as the heart pumps blood throughout the body

capillaries: small vessels where oxygen, nutrients, and other materials are exchanged with tissue

diastole phase: period of ventricle relaxation

heart: muscular organ that continuously pumps oxygenated blood throughout the body

left atrium: chamber of the heart that receives oxygenated blood from the lungs

left ventricle: chamber of the heart that pumps oxygenated blood to the rest of the body

mitral valve: separates left atrium from left ventricle

plasma: fluid that transports red and white blood cells as well as other molecules in the blood

pulmonary circuit: term for blood flow from the lungs to the heart

red blood cells (hemoglobin): transport oxygen in the blood

right atrium: chamber of the heart that receives oxygen-poor blood from throughout the body

right ventricle: chamber of the heart that receives oxygen-poor blood from the right atrium and pumps it out to the lungs

systemic circuit: term for blood flow from the heart to the rest of the body

systole phase: period of ventricle contraction

tricuspid valve: separates right atrium from right ventricle

valves: prevent blood from flowing backwards from the ventricle to the atrium

veins: vessels that carry deoxygenated blood back to the heart from the rest of the body

ventricles: chambers of the heart that pump blood to the body and lungs

THE HUMAN HEART

