

Circulatory System

(Cardiovascular) System – system consisting of the heart, blood vessels, and blood; carries needed substances to the cells and carries waste products away from the cells

Capillaries

tiny connectors between arteries and veins where things are exchanged (diffused) between the blood and cells

Heart

involuntary muscular organ responsible for pumping blood with oxygen and nutrients throughout the body

Arteries

red, oxygen rich blood vessels that carry blood AWAY from the heart to deliver O₂ to the body

Veins

blue, oxygen poor blood vessels that carry blood TOWARDS the heart and lungs to pick up O₂

Blood

the fluid that carries gases, nutrients, and wastes through the body

Respiratory System

moves oxygen from the outside environment and into the body, also removes carbon dioxide and water from the body

Lungs

main organ of the respiratory system, divided into left and right sides, lined with involuntary muscle, controlled by the diaphragm muscle

Trachea

a tube with ridges of cartilage that air passes through to the lungs, the “windpipe”, covered with a flap of skin called the epiglottis to prevent choking

Carbon Dioxide

a colorless, odorless gas produced by burning carbon and organic compounds and by respiration. It is naturally present in air and is absorbed by plants in photosynthesis.

Oxygen

a colorless, odorless reactive gas, the chemical element of atomic number 8 and the life-supporting component of the air.

Homeostasis

involuntary maintenance of your body, all of our organ systems interact and work together to maintain this