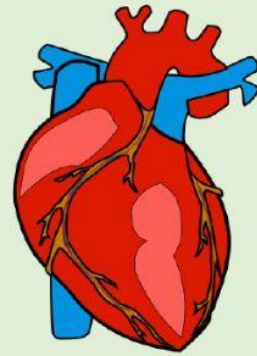
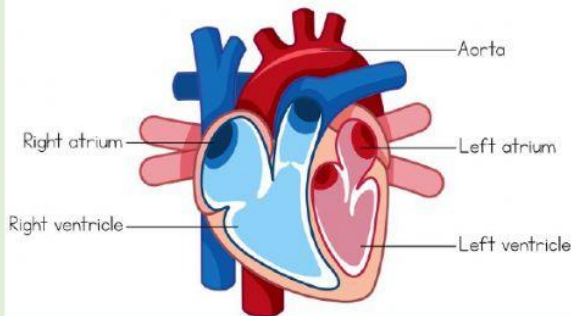


# The Circulatory System

The main organ of the circulatory system is the **heart**. Its main job is to pump blood to every living cell in the body. add text



## Parts of a Heart



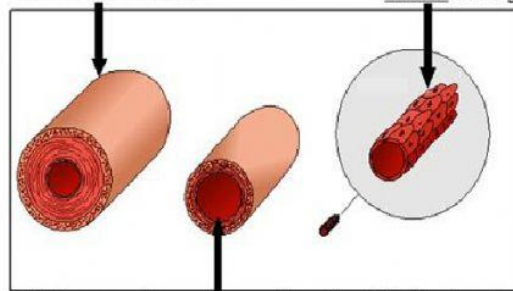
The heart is divided into four **chambers**. The two upper chambers are called **atrium** and the two lower chambers are called **ventricles**.

A **partition** separates the ventricles right side of the heart from the left side. This prevents the blood on the left and right chambers from mixing. This is important because the left side of the heart has **oxygenated** blood **rich in oxygen**, but the right side has **deoxygenated** blood with **very little oxygen**.

Blood is carried around the body in blood vessels called **veins, arteries** and **capillaries**..

Arteries carry blood away from the heart at **high pressure** in thick walled lumen

Capillaries have thin walls to allow glucose and oxygen to **diffuse** through



Veins carry **low pressure** blood back to the heart. Veins have thinner walls and valves to prevent backflow of blood

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## Caring for your Circulatory System

- ✓ Exercise every day to keep your heart strong.
- ✓ Keep germs out of your blood.
- ✓ Never touch someone else's blood.
- ✓ Eat healthy foods to avoid diseases such as hypertension and diabetes.
- ✓ Do not ever smoke. Smoking narrows blood vessels and can cause high blood pressure.