Your Circulatory System

Answers

aorta – The start of the oxygen delivery service that goes around the body.

pulmonary veins

pulmonary arteries

right atrium and **right ventricle** – The **deoxygenated** blood (blue) comes **back to the heart** here to then be sent to the lungs to get rid of the carbon dioxide.

renal artery

renal veins

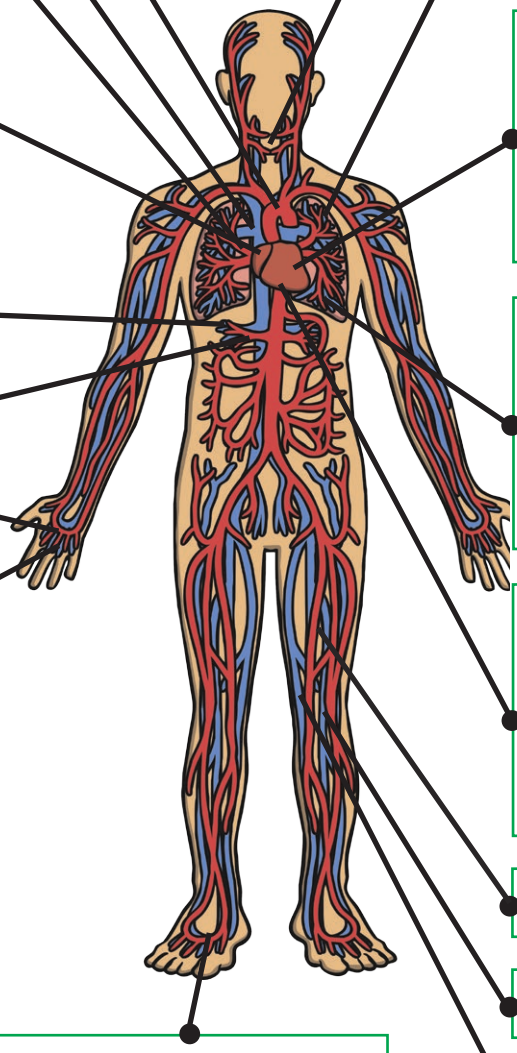
digital artery

digital veins

Red shows the oxygenated blood travelling through arteries pumped from the heart and delivering the oxygen all around the body.

capillaries – These are the link between the cells, arteries and veins. They **transfer** oxygen from the arteries to the cells and carbon dioxide from the cells, back to the veins.

blood vessels – The general name for anything that carries blood around the body, which includes **arteries**, **veins** and **capillaries.**



arcuate artery

jugular veins

lungs – Oxygen from the air is taken in and sent to the blood. Carbon dioxide (CO_2) is taken out of the blood and put back into the air (by breathing out).

heart – Blood is pumped by the heart to the lungs to collect oxygen before returning to the heart to be pumped around the body.

bronchioles – Air travels through these to the air sacs (**alveoli**) where the oxygen and carbon dioxide transfer to and from the blood.

left atrium and **left ventricle** – The newly **oxygenated** blood arrives here from the lungs and gets ready to go around the body.

femoral artery

femoral vein

great saphenous vein

Blue shows the **deoxygenated blood** (containing carbon dioxide) travelling through **veins** back to the heart to get rid of the carbon dioxide and start all over again.