

# 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.

**jugular veins**

**lungs** – Oxygen from the air is taken in and sent to the blood. Carbon dioxide (CO<sub>2</sub>) 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**

**arcuate artery**

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.

