

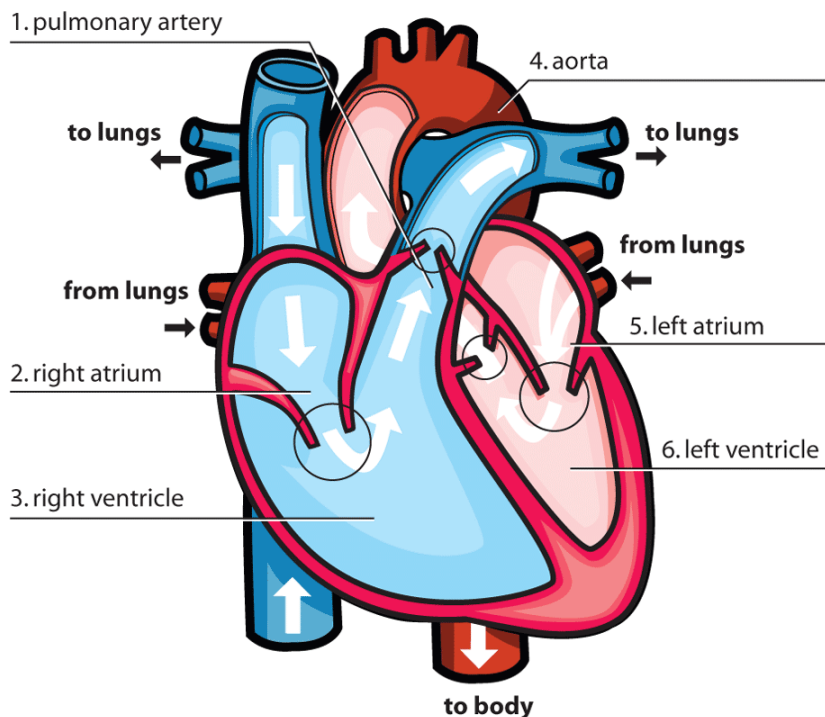
Science - Year 6 - How does the heart drive the circulatory system?

Glossary

Circulatory system	A system which includes the heart, veins, arteries and blood transporting substances around the body
Heart	An organ which constantly pumps blood around the circulatory system.
Blood vessels	The tube-like structures that carry blood through the tissues and organs. Veins, arteries and capillaries are the three types of blood vessels.
Oxygenated blood	Oxygenated blood has more oxygen. It is pumped from the heart to the rest of the body.
Deoxygenated blood	Deoxygenated blood is blood where most of the oxygen has already been transferred to the rest of the body.
Capillaries	Capillaries are the smallest blood vessels in the body, and it is here that the exchange of water, nutrients, oxygen and carbon dioxide takes place.
Arteries	Arteries carry oxygenated blood away from the heart.
Veins	Veins carry deoxygenated blood toward the heart.
Plasma	Plasma is liquid. The other parts of your blood are solid
Red Blood cells	Red blood cells carry oxygen through your body
White blood cells	White blood cells fight infection when you're sick.
Platelets	Platelets help you stop bleeding when you get hurt.
Drug	A substance containing natural or man-made chemicals that has an effect on your body when it enters your system
Alcohol	A drug produced from grains, fruits or vegetables when they are put through a process called fermentation.
Nutrients	Substances that animals need to stay alive and healthy.

HOW THE BODY WORKS

The Heart Solution



WORD BANK

left ventricle
right ventricle

right atrium
left atrium

pulmonary artery
aorta



Sticky Knowledge:

- To know and name the main parts of the human circulatory system.
- To know and describe the functions of the heart, blood vessels and blood.
- To know the impact of diet, exercise, drugs and lifestyle on the way bodies function.

arteries capillaries veins

