

# Animals Including Humans

K	W	L
What I know	What I want to know	What I have learnt

# Order of Blood Flow Card Sort

Cut out the cards below and put them in the correct order to show how blood flows through the body.

The first one has been done for you.



1. Your blood travels to the lungs and picks up oxygen.

From here, the blood gets pumped back to the lungs to pick up more oxygen so that the whole cycle can start again.

The blood that is full of oxygen travels to the heart. We call this blood oxygenated.

Arteries carry blood away from the heart. They take the blood around the body to make sure that the oxygen gets passed on to the organs and muscles.

Veins carry blood back to the heart when the blood has delivered all of its oxygen. This blood is deoxygenated.

# Order of Blood Flow Card Sort **Answers**

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Arteries carry blood away from the heart. They take the blood around the body to make sure that the oxygen gets passed on to the organs and muscles.

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From here, the blood gets pumped back to the lungs to pick up more oxygen so that the whole cycle can start again.



Use what you know about the heart to discuss why different animals have different sized hearts.

Useful information:

Both the orca and the mouse are mammals and they have four chambers in their hearts.

An average orca is about 7 metres long.

An average house mouse is about 11 centimetres long including its tail.



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## Reasoning Card ①

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### Example answer:

**Answers should refer to the relative size of the animals mentioned and that the job of the heart is to pump blood all around the body. A larger animal will need a larger heart with stronger muscles to pump blood to the extremities as they are further away.**

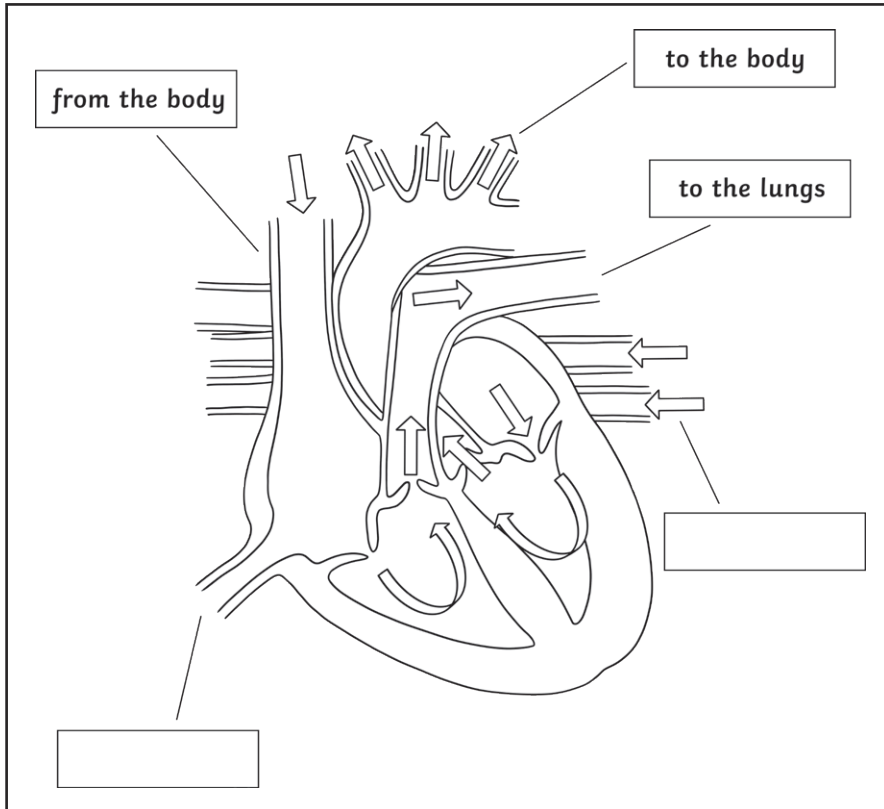
**e.g. A large animal like a whale will have a large heart and a small animal like a mouse will have a small heart. The larger the animal, the larger the heart because the heart's job is to pump blood all around the body. A bigger body will need a larger heart with stronger muscles in order to push the blood far enough. The blood needs to reach all parts of the body to pass on oxygen to all of the organs and muscles in the body.**

# The Human Heart

To know the three main parts of the circulatory system and describe the job of the heart.

## Task 1

Please add the labels from the box below to the correct place on the heart diagram. Some have been done for you.



~~from the body~~  
~~to the lungs~~  
 from the lungs  
~~to the body~~  
 from the body

## Task 2

Use the words in the box below to fill in the gaps:

The heart is a muscular o\_\_\_\_\_ that is made up of f\_\_\_\_\_ chambers. The heart pumps blood through the b\_\_\_\_\_ v\_\_\_\_\_ so that o\_\_\_\_\_ and nutrients can get to all parts of the body. The heart pumps blood out to the lungs to o\_\_\_\_\_ it. The oxygenated blood is then pumped back into the heart and out to the rest of the b\_\_\_\_\_.

oxygen

four

blood vessels

body

organ

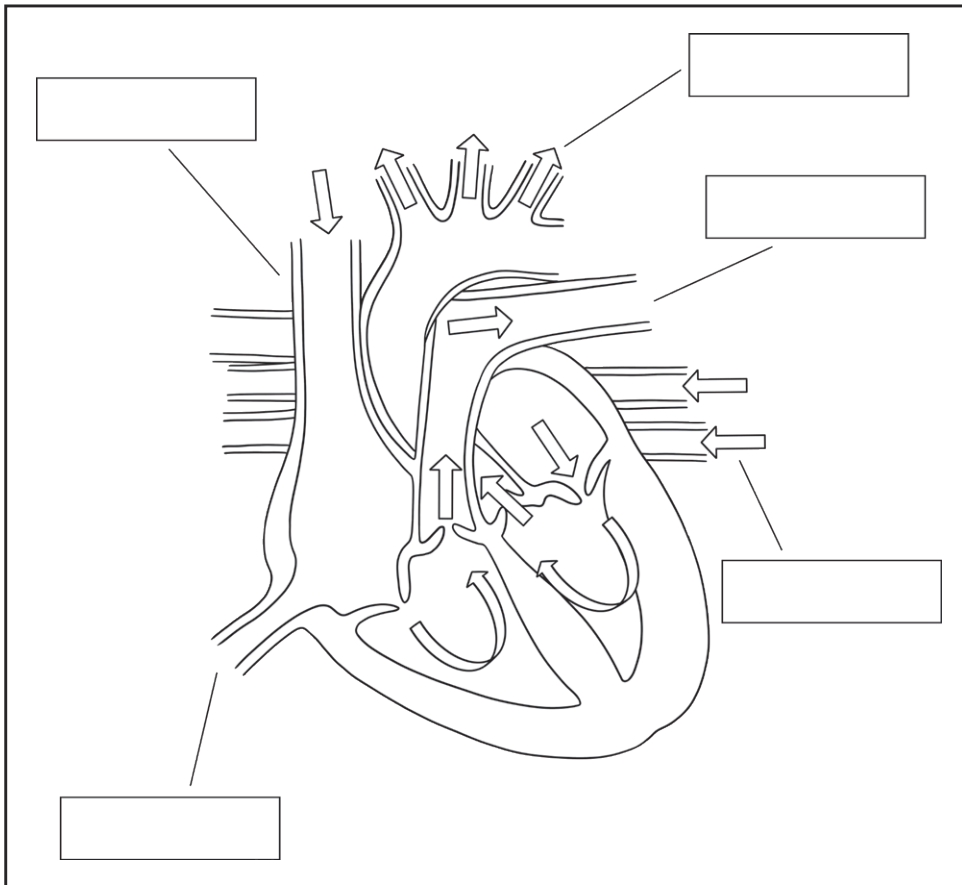
oxygenate

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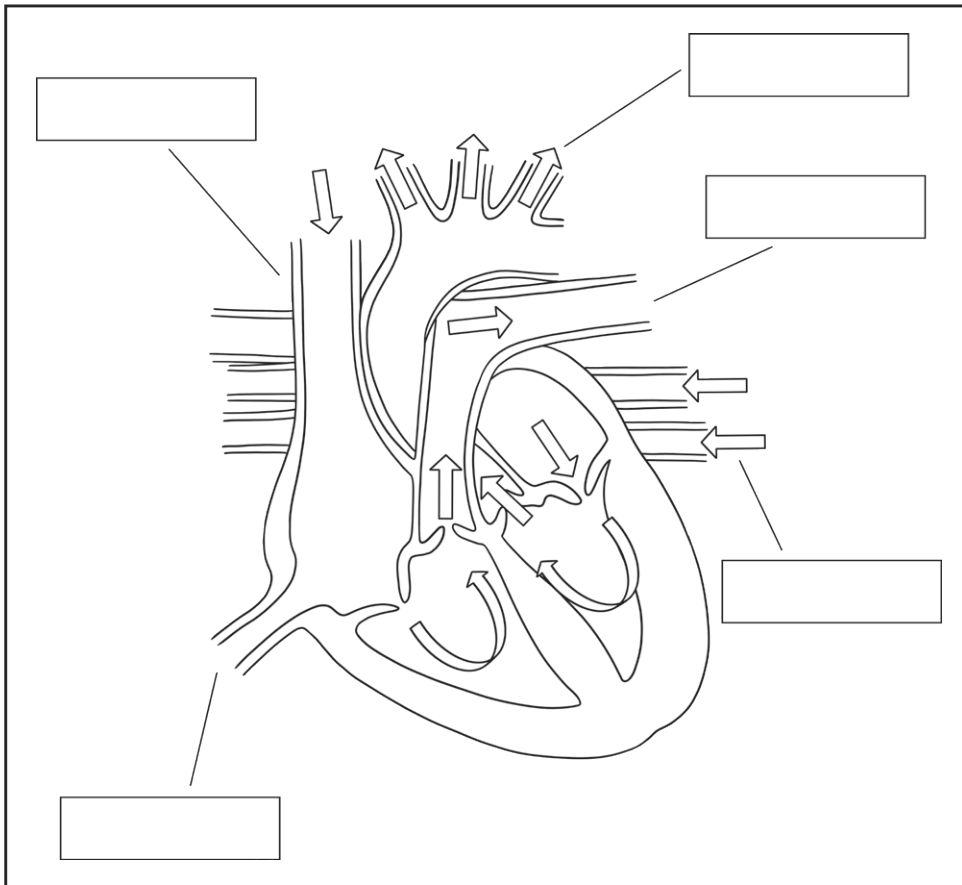
oxygen      four      blood vessels      body      organ      oxygenate

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Use as many key words as you can from the box below to write at least three statements about the heart. You can use your knowledge organiser to help you.

If you are stuck for ideas, here are some prompt questions:

- What is the heart and what does it do?
- How many chambers does the heart have?
- Why is the blood coloured in blue and red on the diagram?
- Where does the blood get pumped to?

oxygen            body  
four              heart  
blood vessels    chambers  
oxygenated      deoxygenated

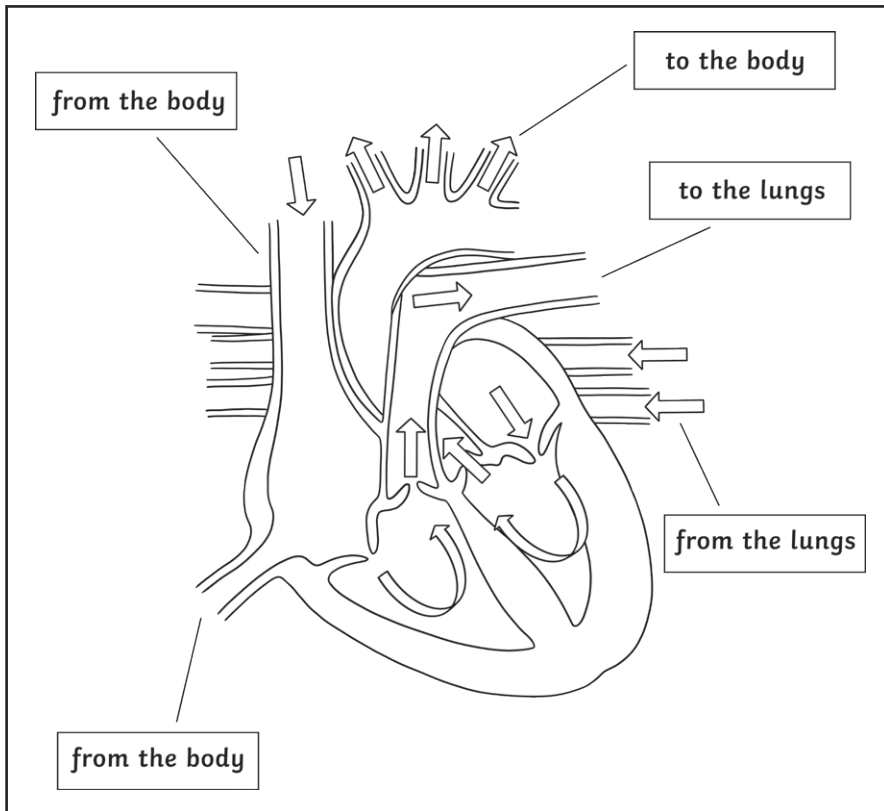


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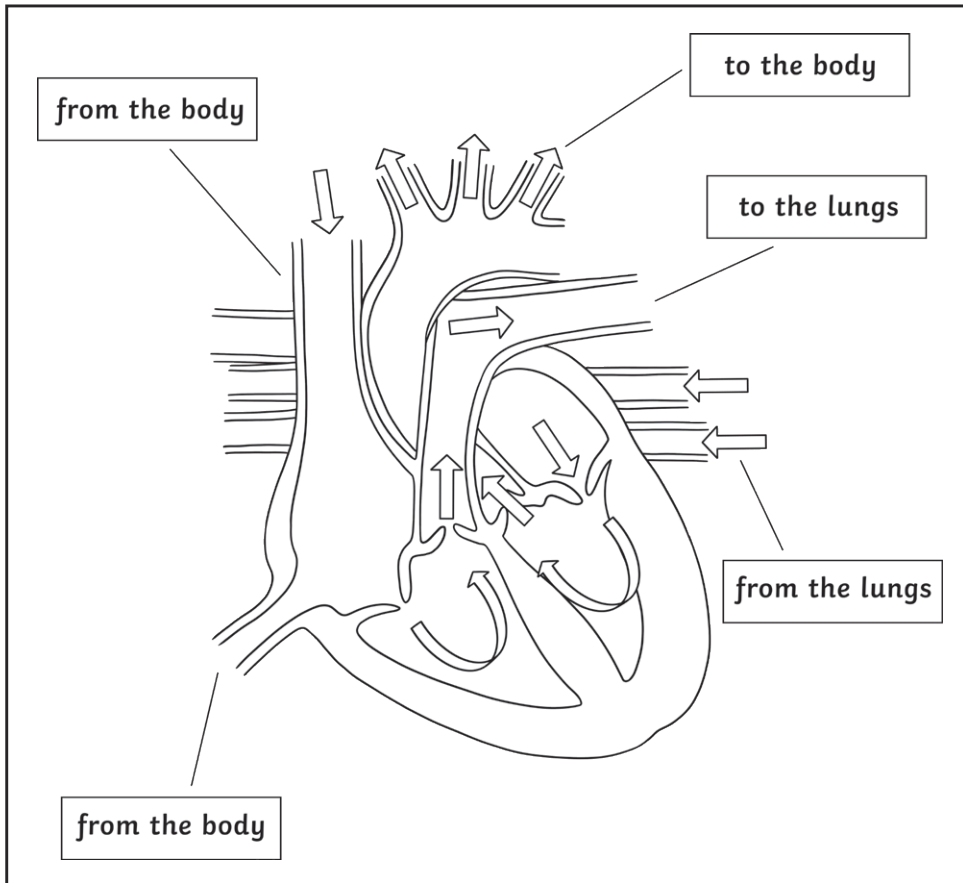
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Example answer:

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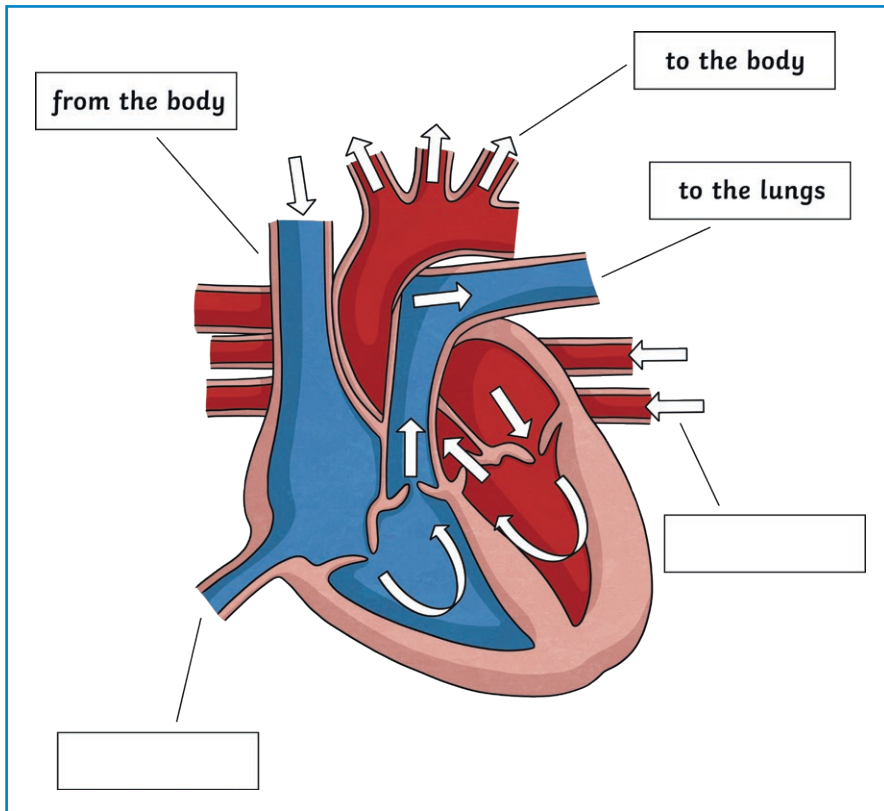
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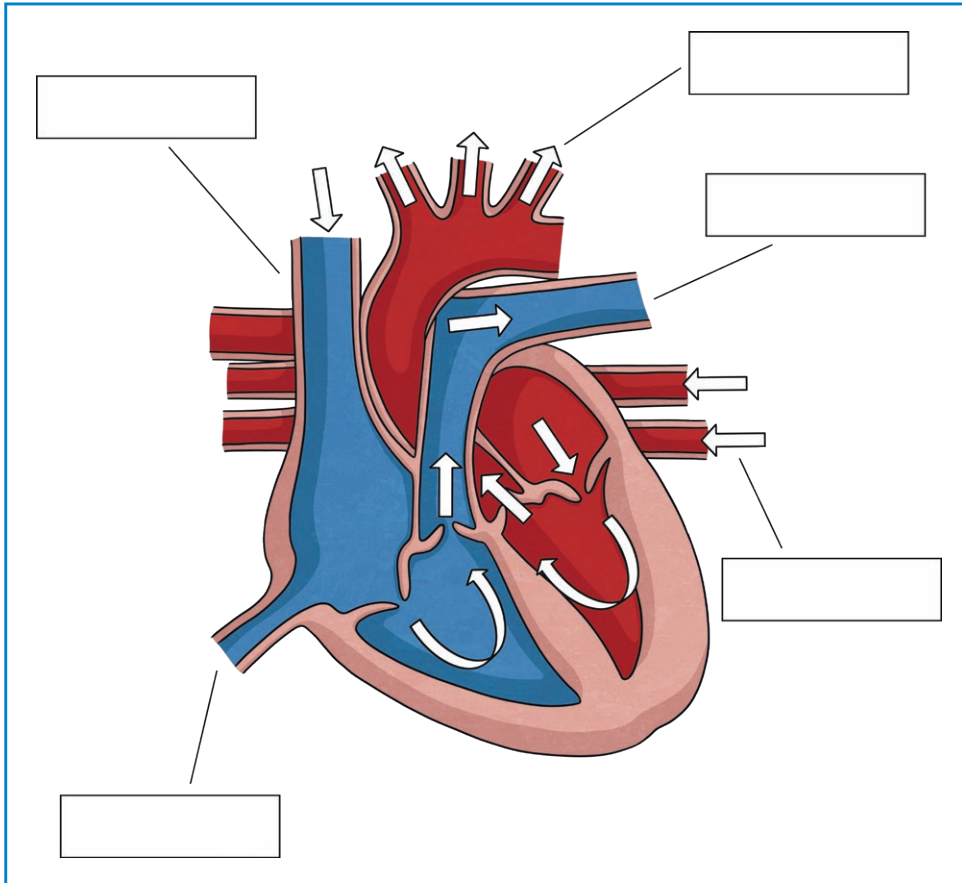
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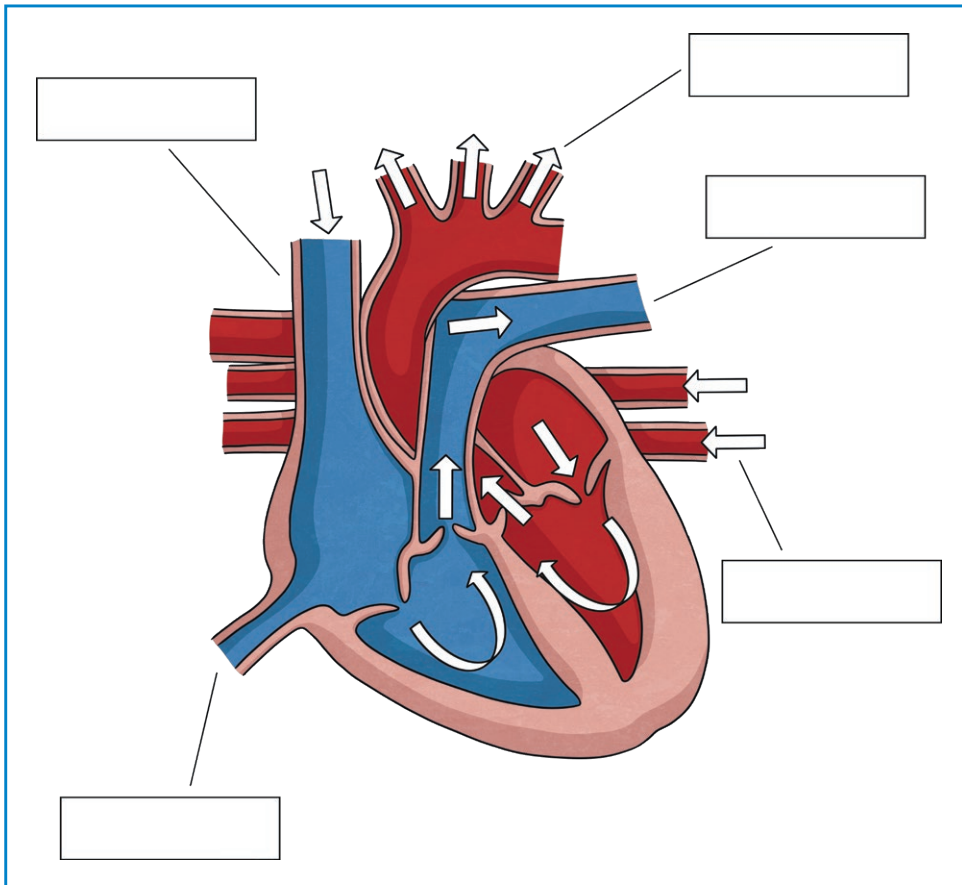
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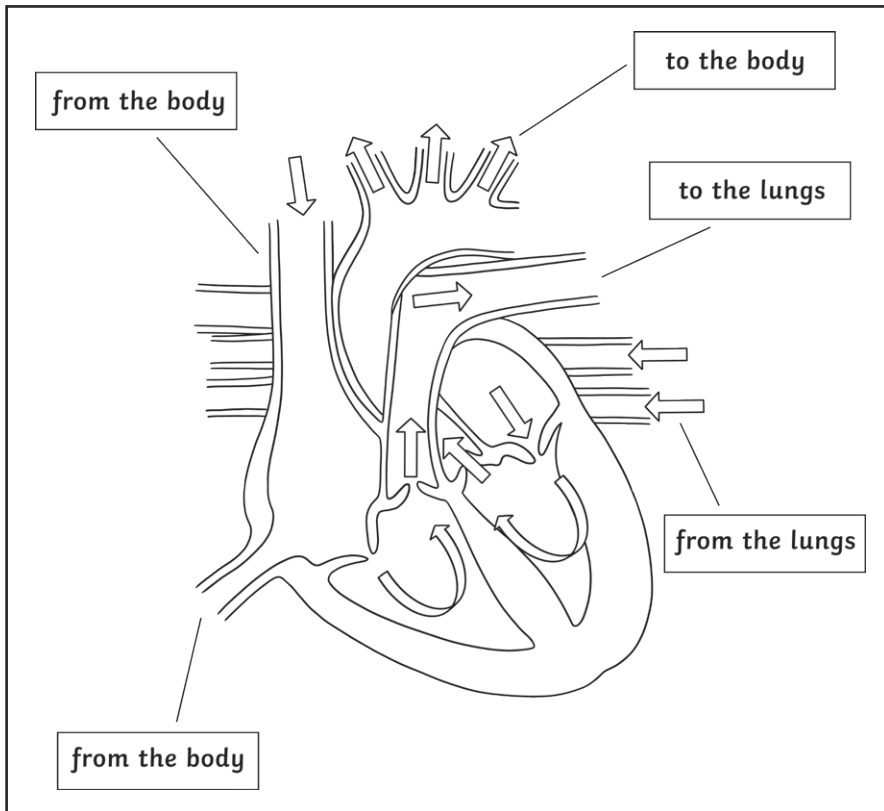
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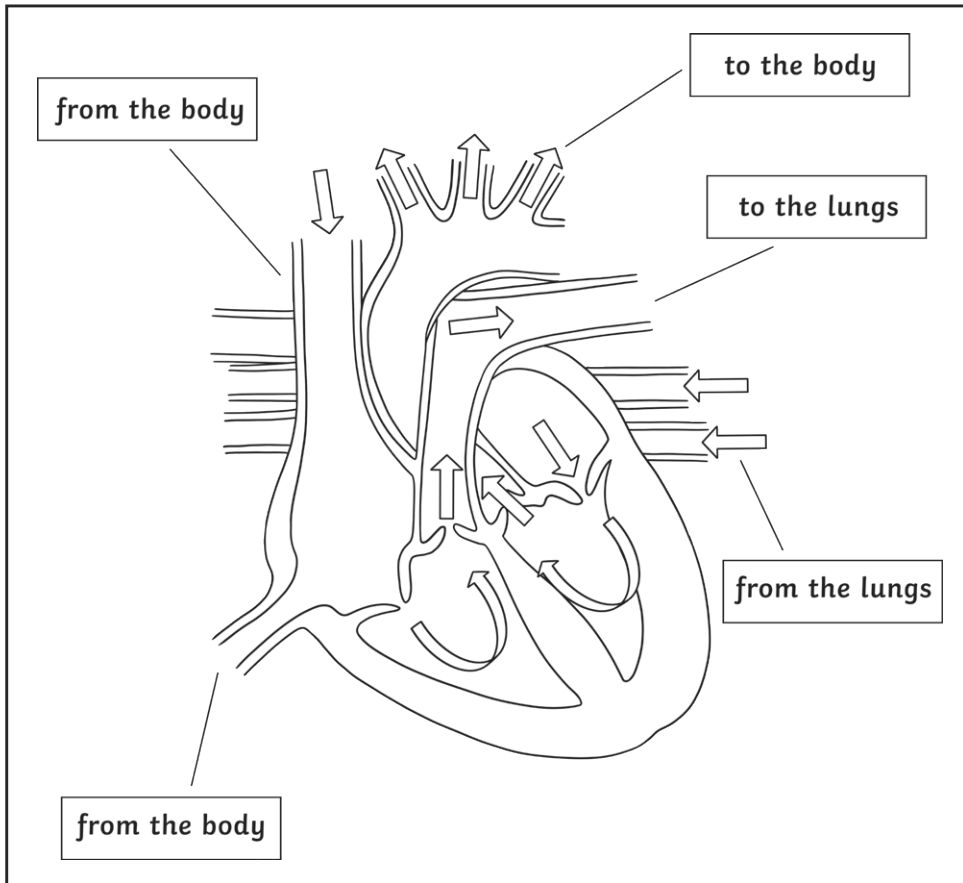
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