

The human circulatory system

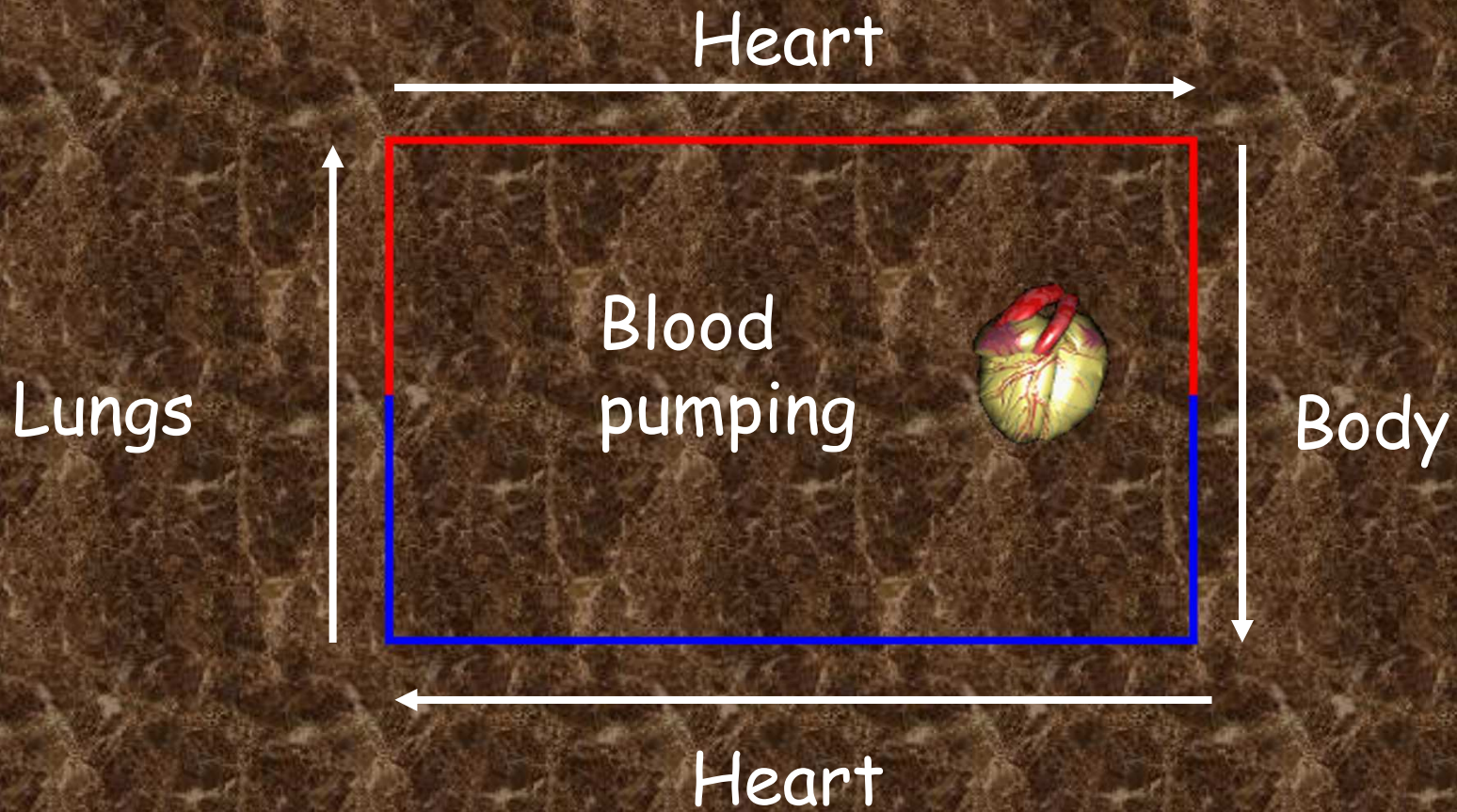
This system is one of the most important in the body.

It is made up of 3 main parts:

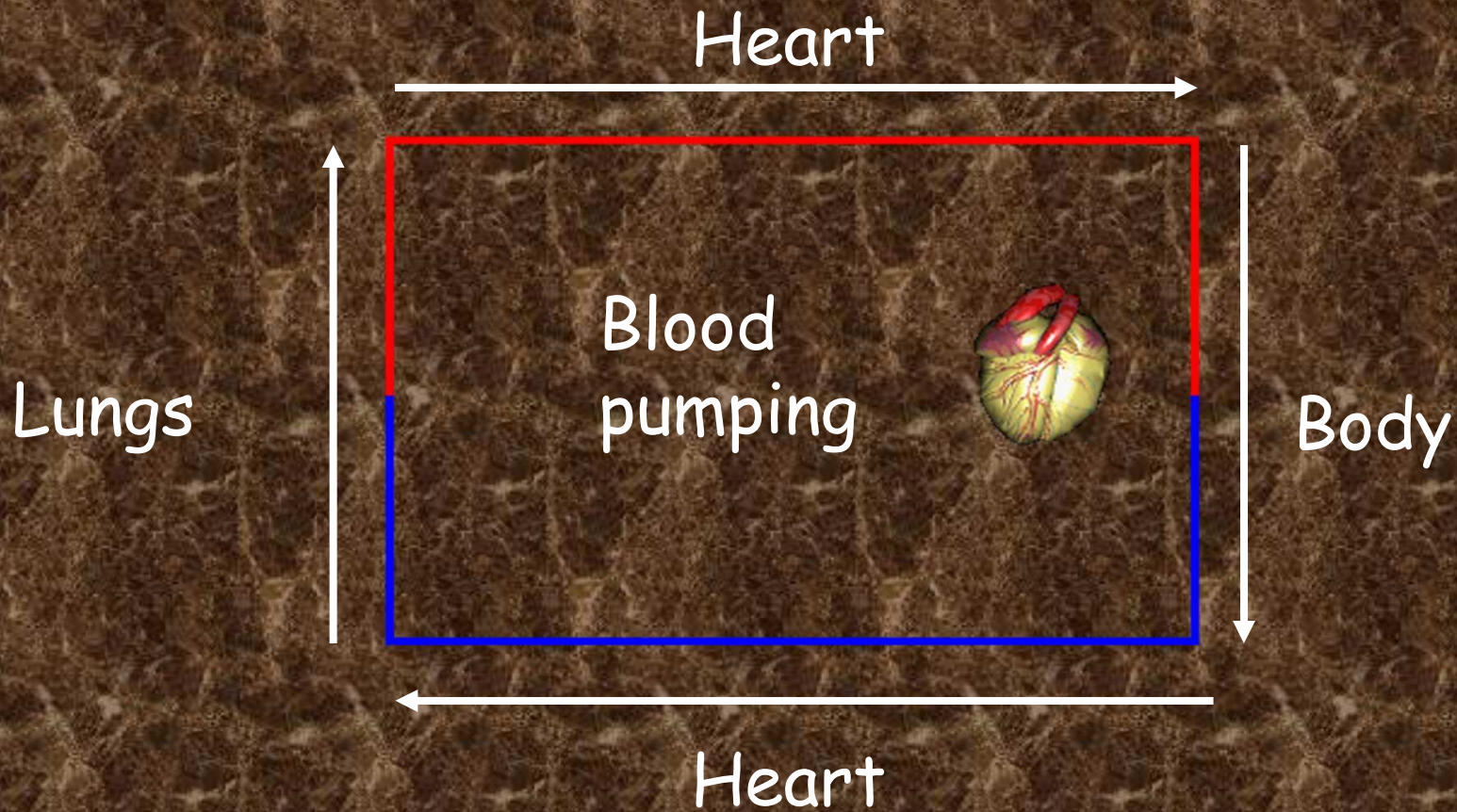
- The heart
- The Lungs
- The blood vessels.

This system is also known as the cardiovascular system.

The human circulatory system

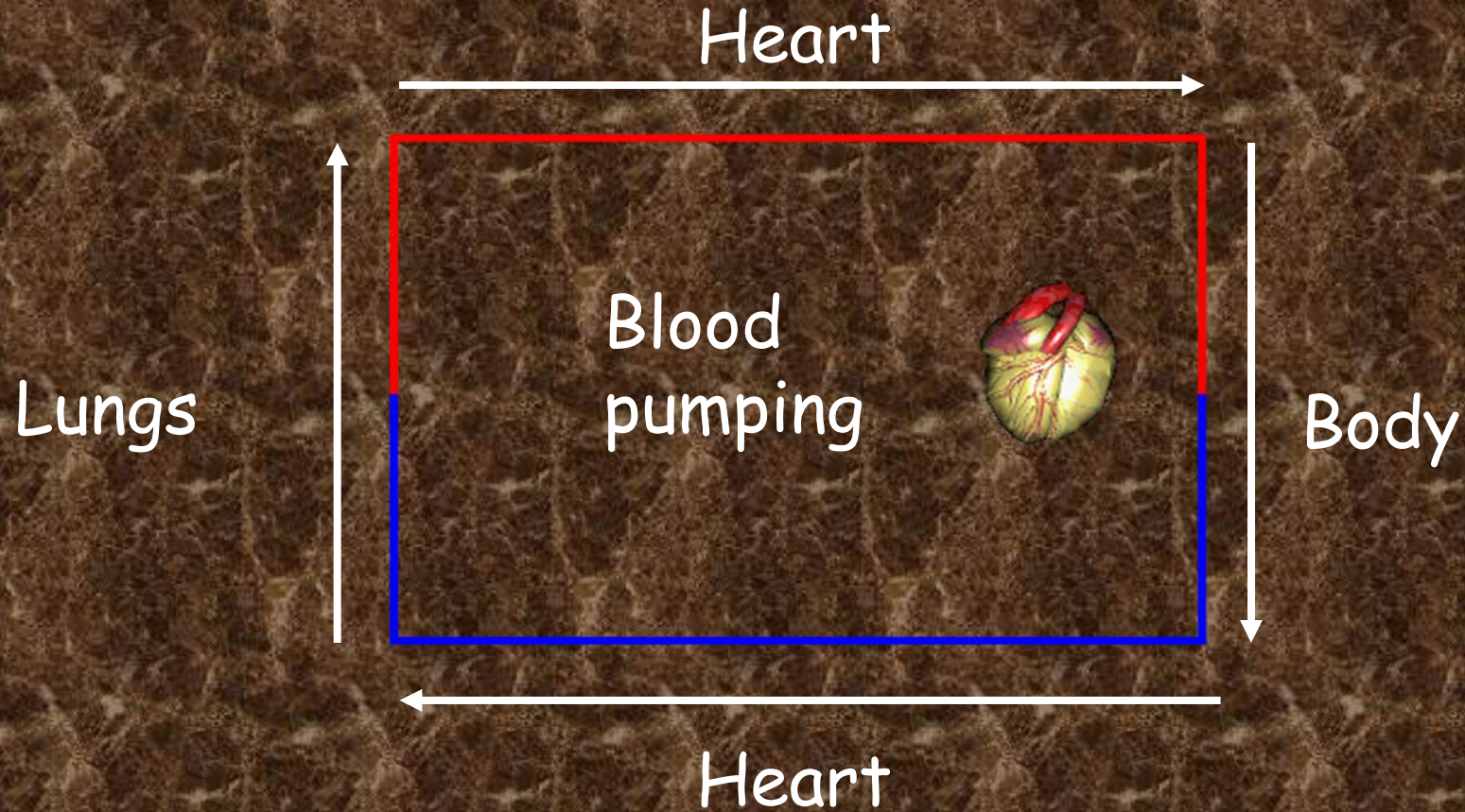


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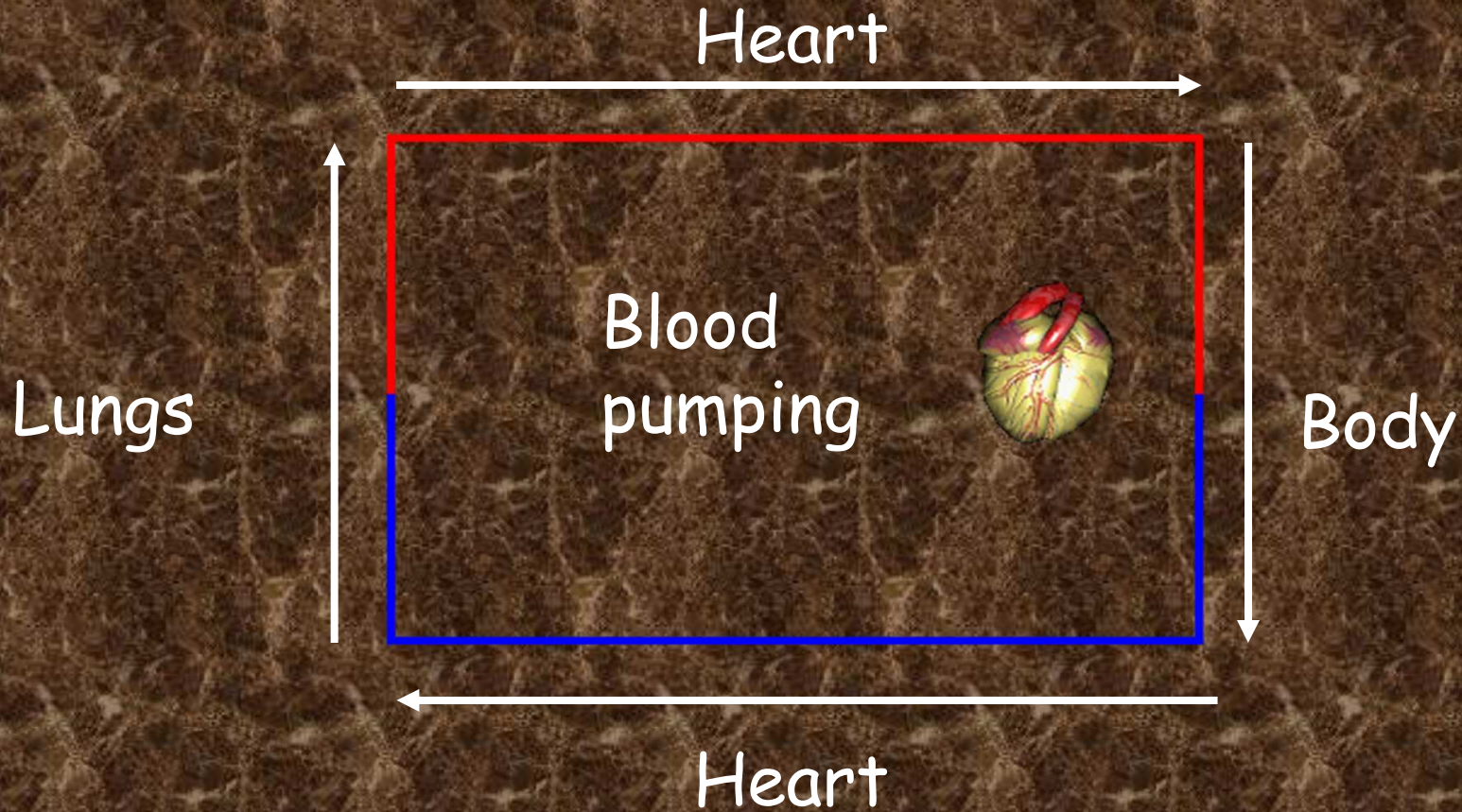
The heart pumps blood to the lungs

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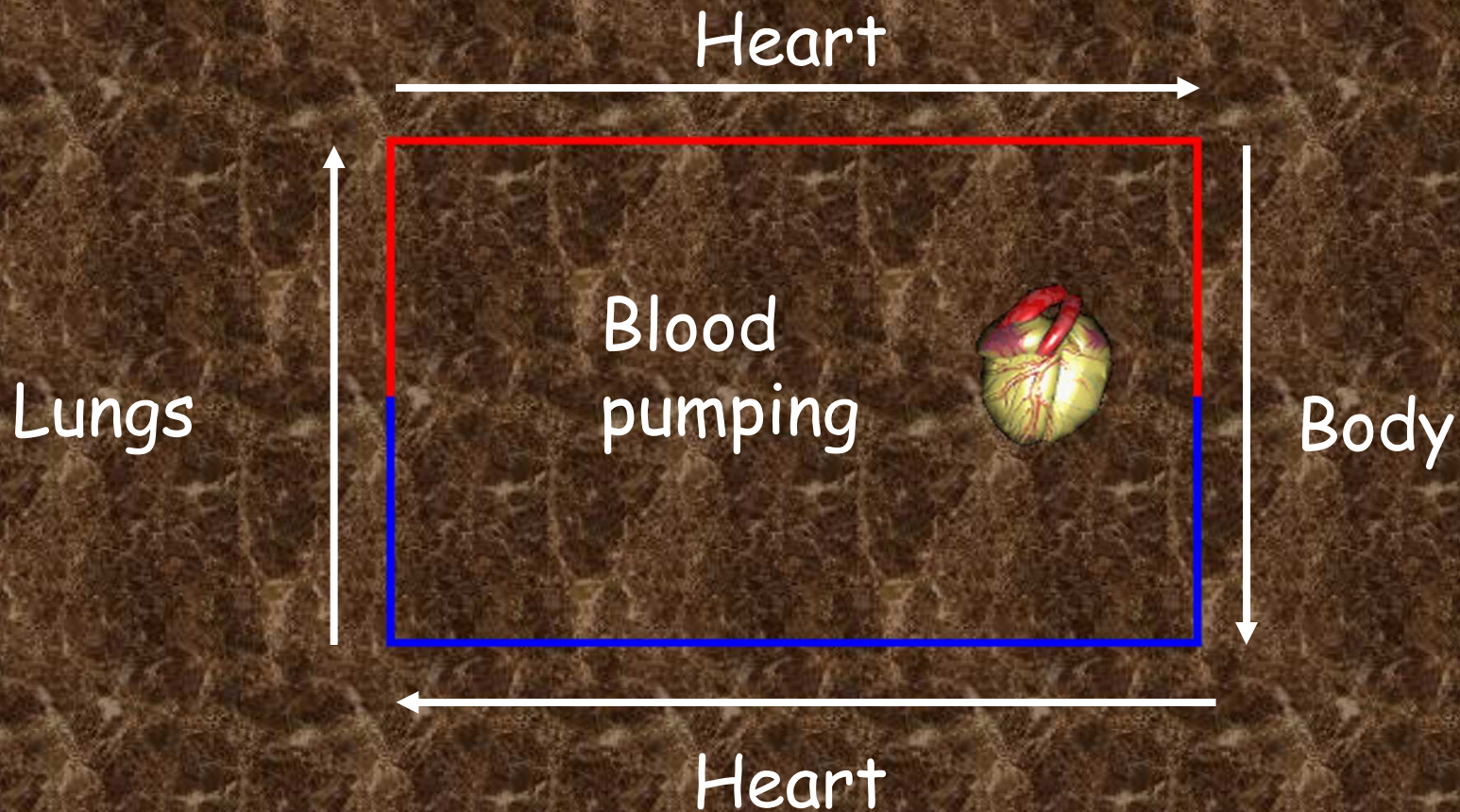
The lungs remove the carbon dioxide from the blood and refill it with oxygen.

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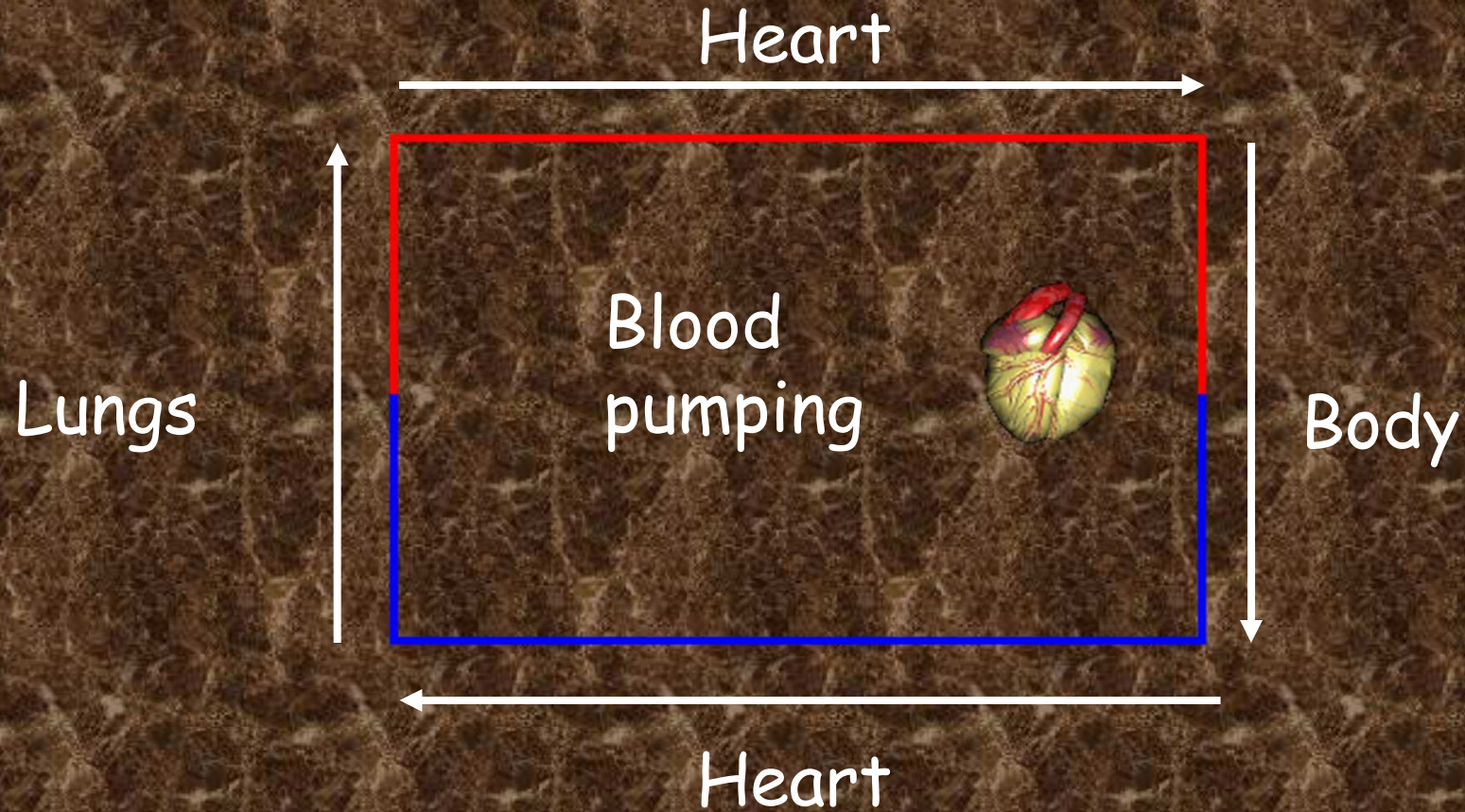
The heart then pumps the blood around the body.

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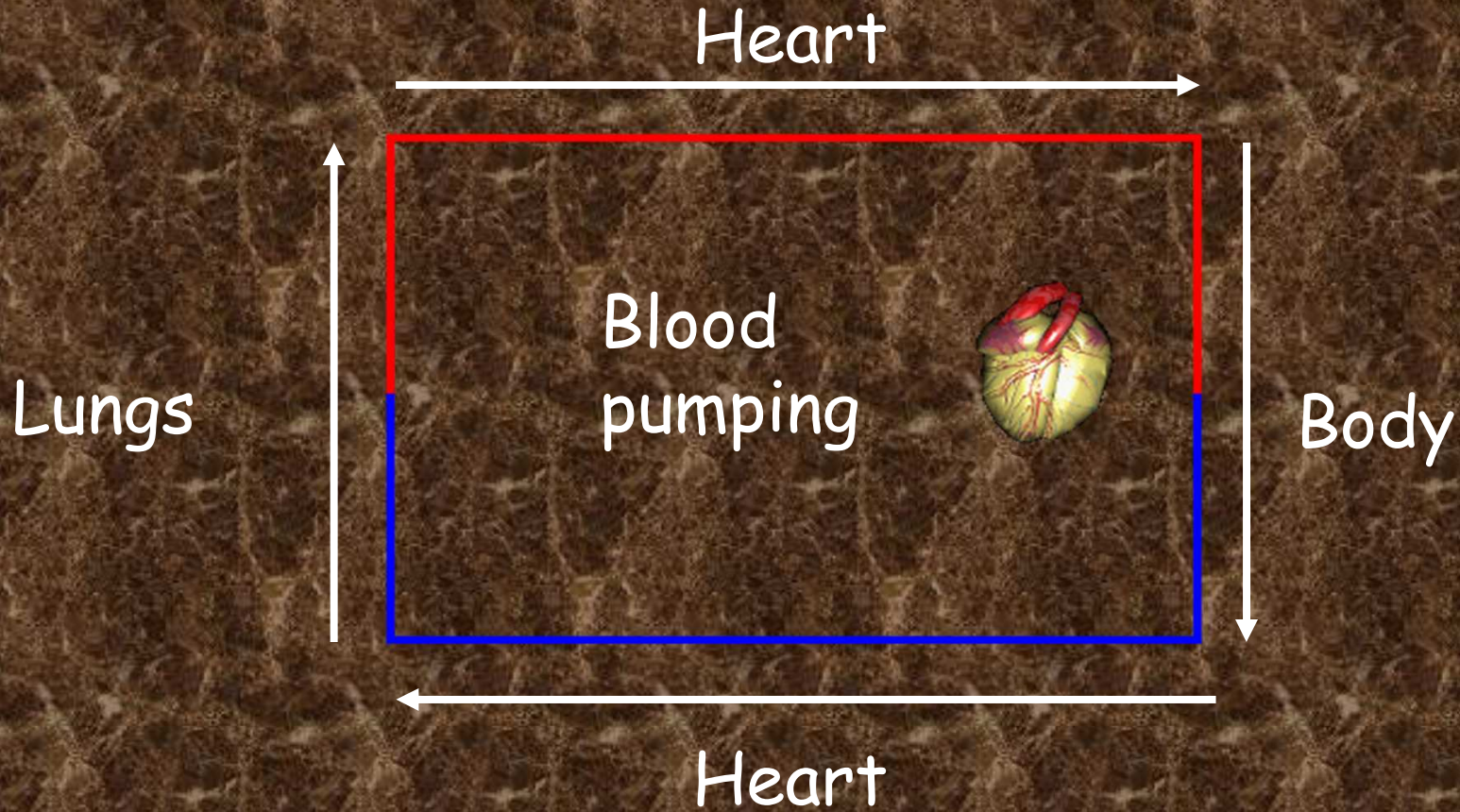
The blood is transported all around the body, where oxygen is taken and replaced with carbon dioxide.

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The blood is cleaned in the kidneys to remove all the waste before it returns to the heart.

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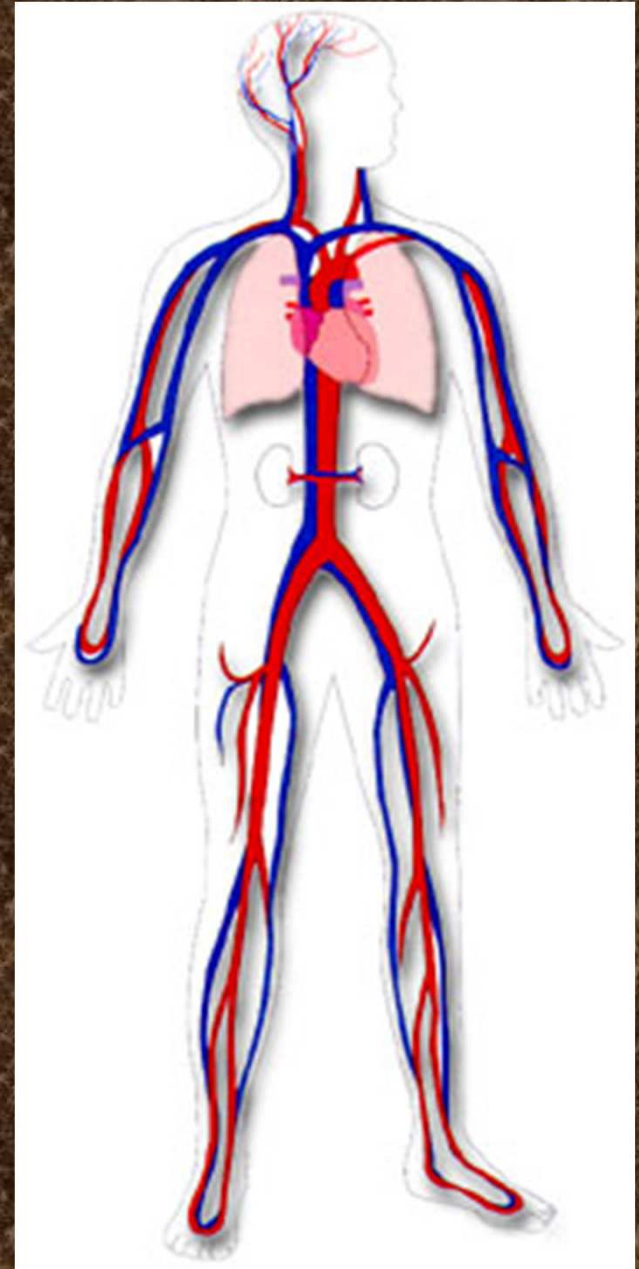


The cycle starts again

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The blood vessels run throughout the body supplying oxygen to every cell in the body.

They are made up of 3 types - arteries, veins and capillaries.

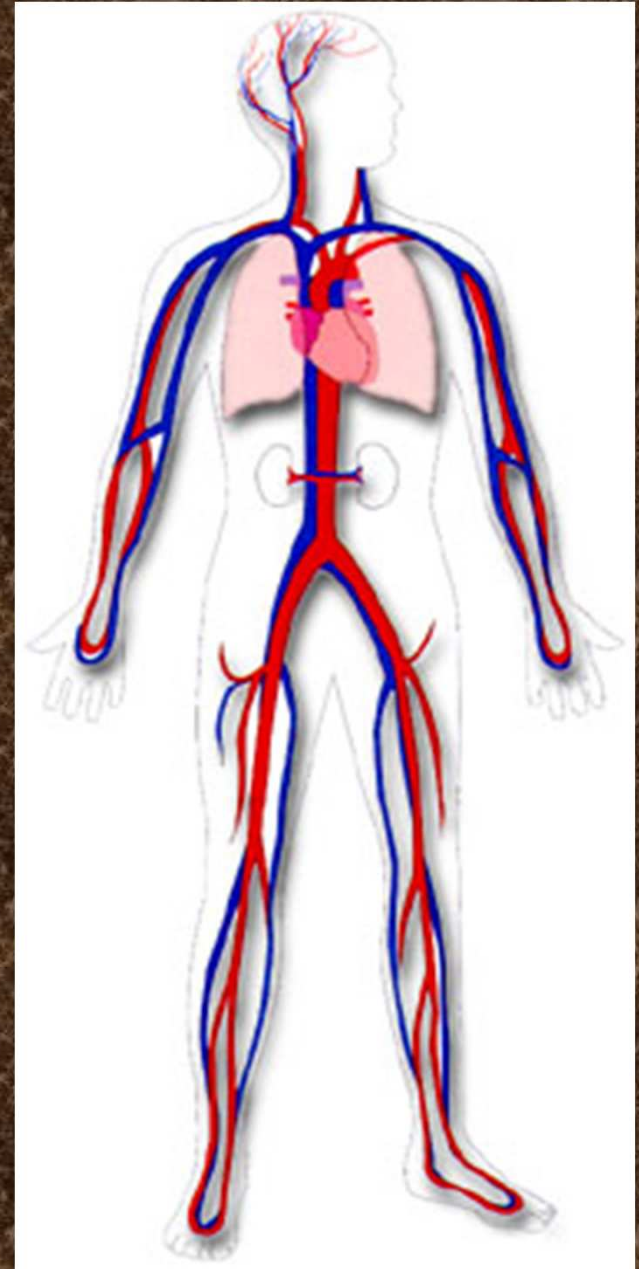


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Arteries are thick blood vessels that you can easily feel in the form of a pulse.

They transport oxygenated blood to the cells.

As they are full of oxygen, they appear to be a deep red colour.

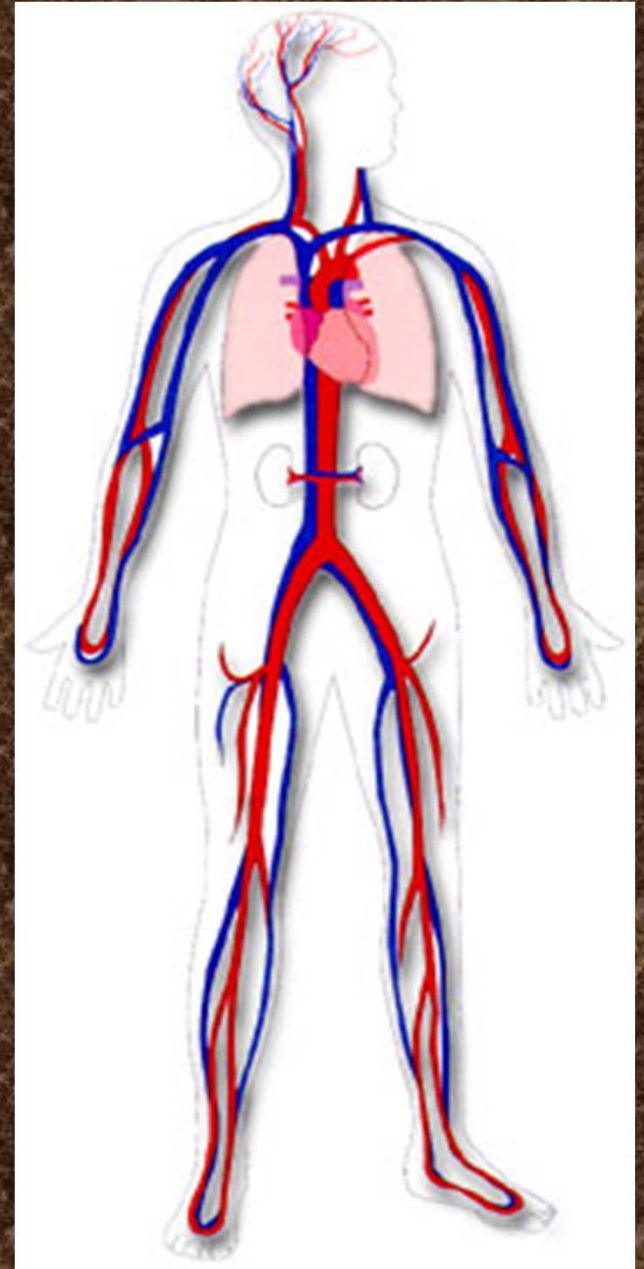


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Veins are thick blood vessels.

They transport blood back to the heart from the cells.

As they have little oxygen, they appear to be more a blue colour than red.



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Capillaries are thin blood vessels.

They allow oxygen and nutrients to pass to the cells, and waste products and carbon dioxide to be removed from them.

They are small to allow them to reach every cell in the body.

