

How can I use this with my children?

Your child can use this activity to learn about a heartbeat. Following the steps, your child can see which parts of the heart move oxygenated or deoxygenated blood and which parts move in sequence.

How does this help my children's learning?

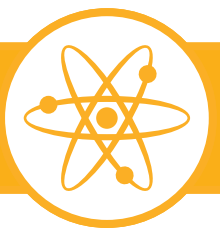
The heart is a complex organ with many unique parts. This colour by numbers activity can help your child become familiar with the different steps of a heartbeat and what each part of the heart does.

Ideas for further learning:

As the heart pumps blood to the lungs and then the oxygenated blood to the rest of the body, the two organs are closely linked. Why not encourage your child to research the lungs and how they work?



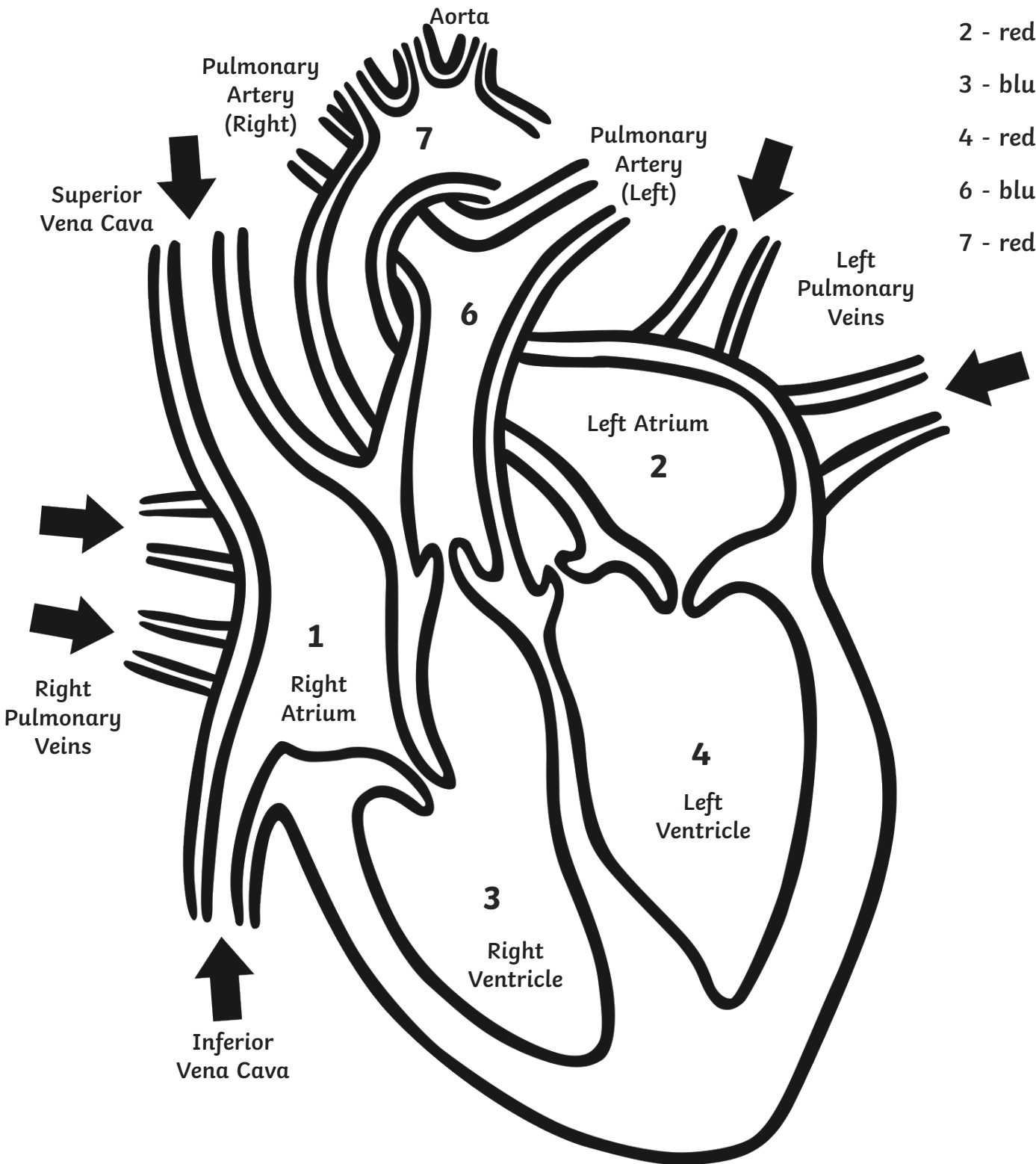
Heartbeat Sequencing: Colour by Numbers



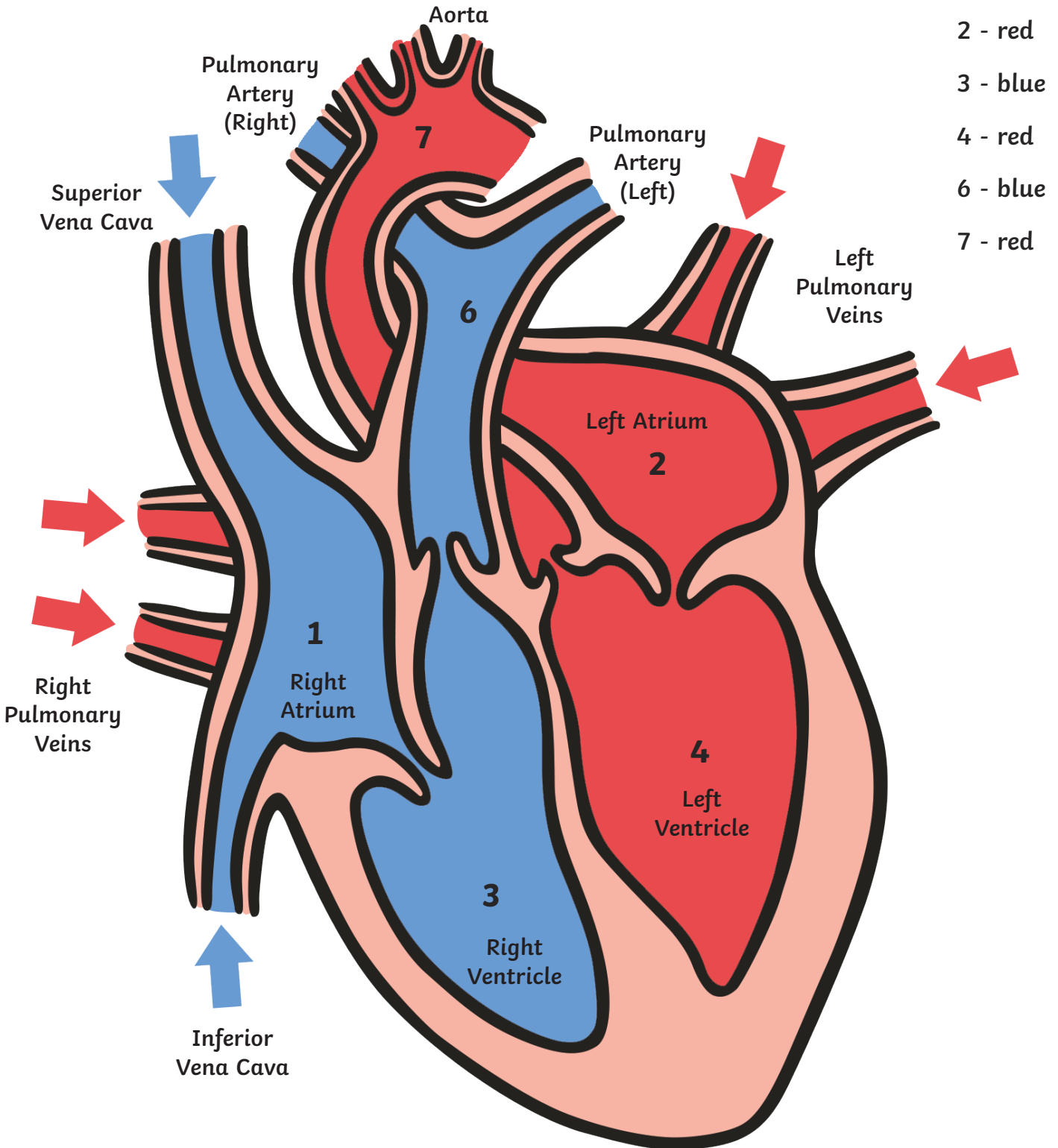
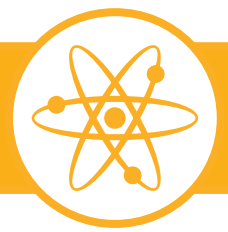
A heartbeat is over in seconds, but quite a lot of things happen in every single beat. These steps describe the numerous things that have to happen, in sequence, for the blood to be moved around your body. Follow the steps and use the information to accurately colour the diagram of the heart.

1. Deoxygenated blood (blood without oxygen) from the body flows into the right atrium through the two vena cava. Colour the vena cava and right atrium wall (muscle) pink and the chamber of blood blue.
2. At the same time, oxygenated blood (blood with oxygen) from the lungs flows into the left atrium through the four pulmonary veins. Colour the pulmonary veins and the left atrium wall (muscle) pink and the chamber of blood red.
3. The right atrium wall contracts (squeezes) and the deoxygenated blood inside flows into the right ventricle. Colour the right ventricle wall pink and the blood inside the ventricle blue.
4. Simultaneously, the left atrium wall contracts and the oxygenated blood flows into the left ventricle. Colour the left ventricle wall pink and the blood inside the ventricle red.
5. After this, the left and right ventricle walls contract. This is why when you listen to a heartbeat, it makes a 'dum dum' sound (almost like it beats twice). This is caused by the atriums and ventricles squeezing at slightly different times.
6. The right ventricle pushes blood through the two pulmonary arteries. These carry the deoxygenated blood to the lungs, where it can be filled with oxygen. Colour the pulmonary artery walls pink and the blood inside them blue.
7. The left ventricle pushes the oxygenated blood through the aorta. This carries blood away from the heart, into the rest of the body, where the oxygen rich blood can be used by the cells and muscles. Colour the aorta wall pink and the blood inside red.

- Key**
- 1 - blue
 - 2 - red
 - 3 - blue
 - 4 - red
 - 6 - blue
 - 7 - red

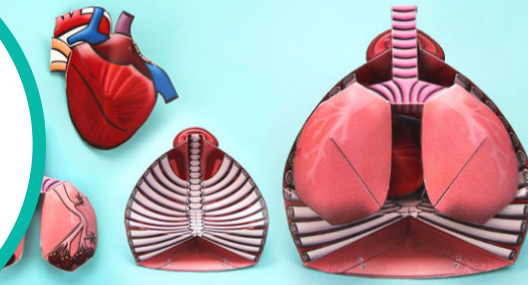


Answers

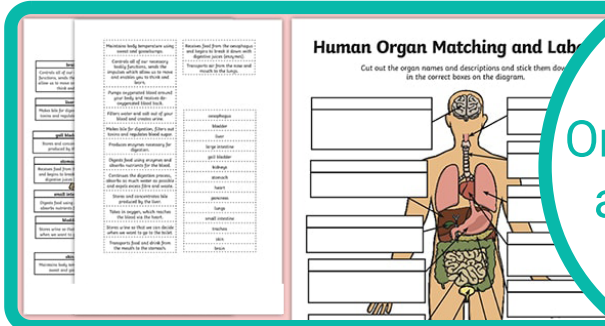


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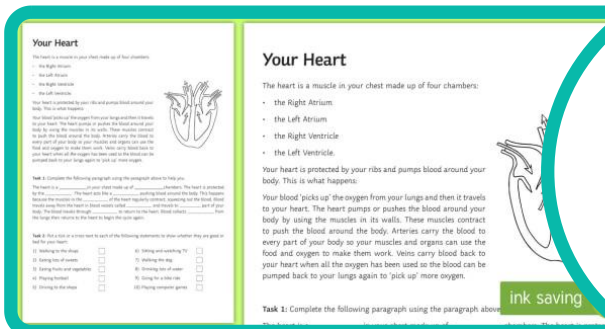
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The Circulatory System Interactive eBook



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