



The Heart

Important: colour all parts before cutting them out.

Part one

Colour this red apart from the tab.

Part two

Colour the shaded areas red. Colour the arrows in the left hand chamber blue. These represent the flow of blood which has lost its oxygen and is carrying carbon dioxide. Colour the arrows in the right hand chambers red. These represent the flow of blood which is carrying oxygen.

Valves 'a' and 'b'.

Colour these yellow.

Artery to the body and veins from the lungs.

Colour in the arrow with a red felt tip pen.

Artery to the lungs and veins from the body.

Colour in the arrow with a blue felt tip pen.

Making the model

1. Cut out part one and part two. Include the tabs.
2. Place part one so that it fits exactly over part two. Glue the underside of the tab sticking out from part one, then fold it around the back of part two so that part one and part two will open like the pages of a book.
3. Glue the back of part two and stick it down in the centre of your page.
4. Cut out valve 'a' and stick it in the place marked 'a' on the model so that the left and right pointing down parts just touch the tops of the lines running down to the base of the heart.
5. Cut out valve 'b' and repeat as for valve 'a'.
6. Cut out the veins from the lungs. Glue the bottom 1cm (ie where the dotted curved lines are) and stick them over tabs marked 1.
7. Cut out the veins from the body. Glue the bottom 1 cm of each. Stick the single tube over tab 4 and the branching tube over tab 5.
8. Cut out the artery to the lungs. Glue the bottom 1 cm and stick it over tab 2.
9. Cut out the artery to the body. Glue the bottom 1 cm, slide it over the top left branch of the artery to the lungs but under its single tube leading from the heart and stick it down over tab 3.

Label the following parts:

Artery to the body
Veins from the lungs

Artery to the lungs
Valve

Veins from the body
Heart muscle

Finally give the model a title.

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