

Science - Year 6

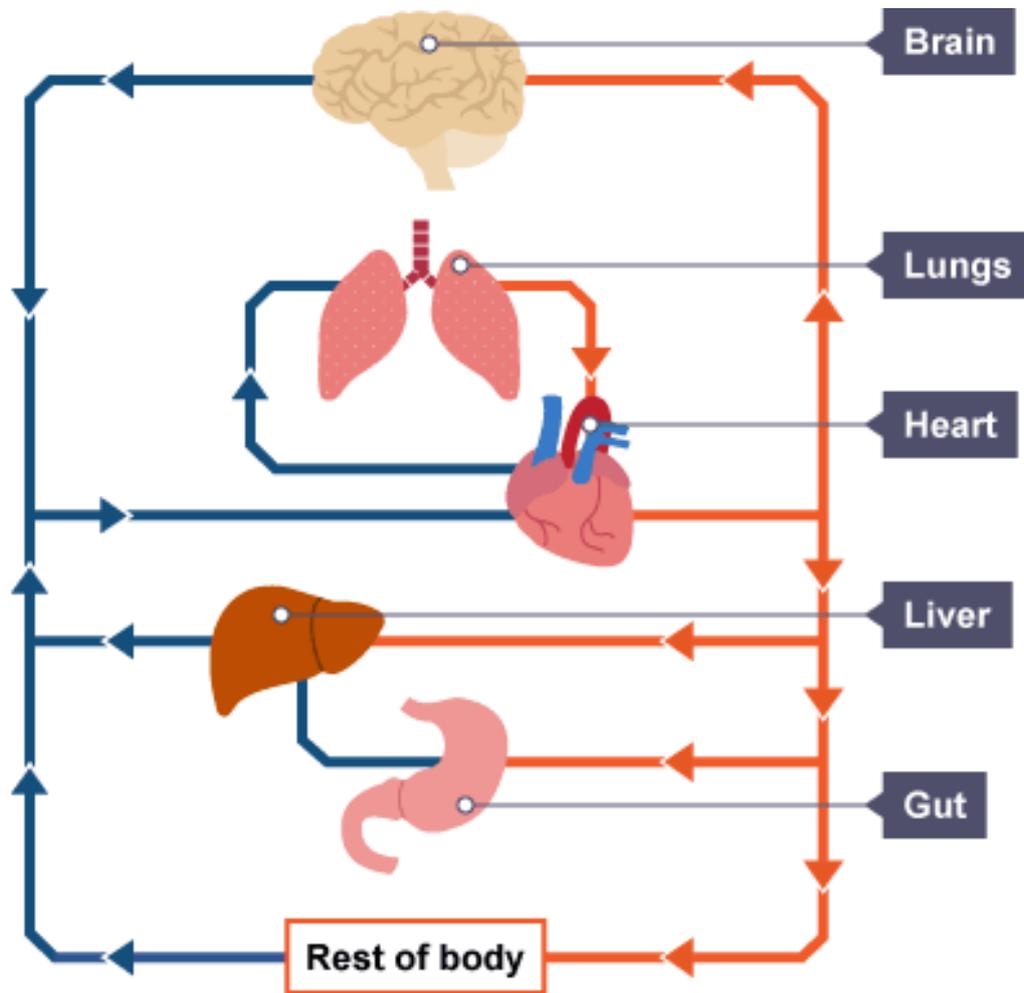
Animals including Humans – Block 6AH

The Art of being Human

Session 4

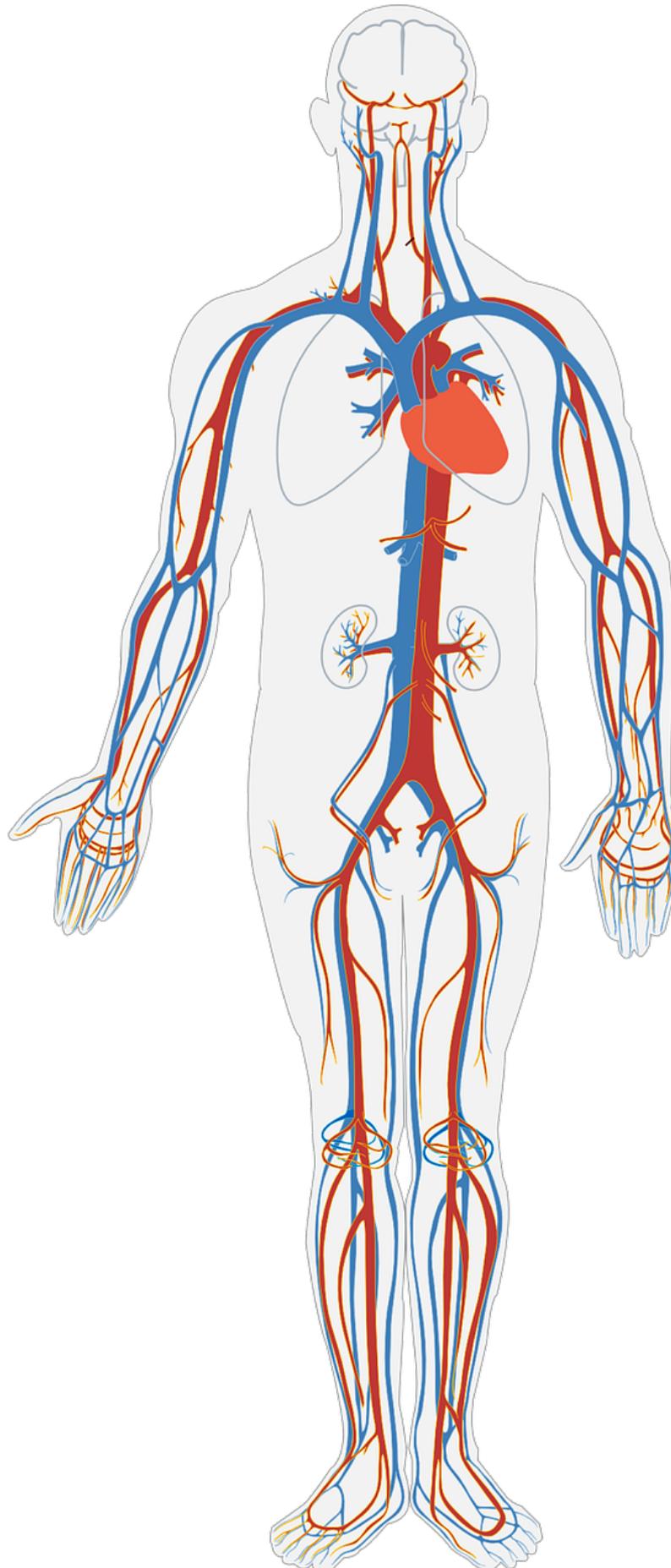
Resource pack

Double circulatory system



http://www.bbc.co.uk/schools/gcsebitesize/science/triple_ocr_gateway/the_living_body/circulatory_systems_cardiac/revision/2/

Whole body circulatory system



Double circulation drama

Set up a drama activity to help children understand the double circulation within the human body.

- Have an area divided into four (chambers) marked at the centre of the hall or playground - this is the heart.
- One group of children are the lungs and they all start with several red cards.
- Other groups of children are the rest of the body –and should have different organs/tissues, e.g. brain, stomach, liver, intestine and muscle - these children start with several blue cards.
- The rest of the children will then act as the blood stream showing the double circulation to lungs and to the rest of body. These children start by an organ and collect a blue card from a child, they then move to the top left chamber (right atrium) of the heart, into the bottom left chamber (right ventricle) and then to the lungs. At the lungs they swap their blue card for a red card and return to the top right chamber (left atrium) of the heart. After going into the bottom right chamber (left ventricle) they move back to one of the organs/tissues, where they swap their red card for a blue card and so on.
- The organs/tissues can be placed in the relevant places around the hall for their position in the body. Children might like to swap roles to aid their understanding. The lungs will breathe out the blue cards (carbon dioxide) and breathe in fresh red cards (oxygen).