

Circulatory System: KS2 Knowledge Mat

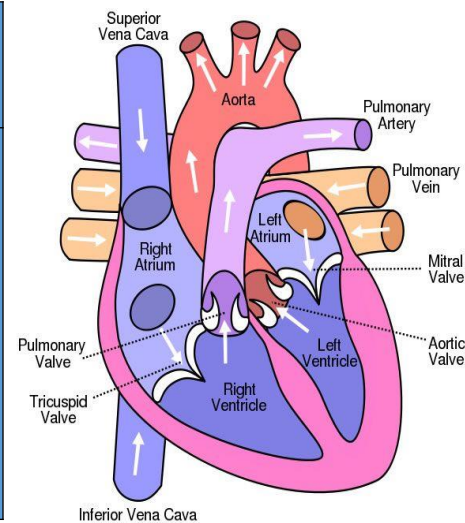
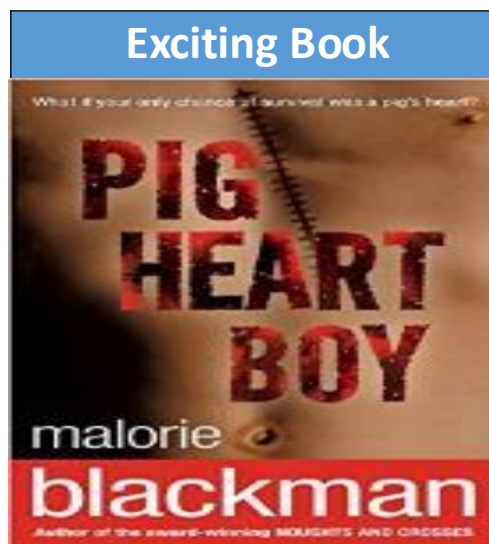
Key vocabulary

ATRIUMS	The atriums are the two uppermost chambers of the heart. Blood is pushed from the atriums to the ventricles.
VENTRICLES	The ventricles are the two lower chambers in the heart.
PULSE	A rhythmical throbbing of the arteries as blood is propelled through them, typically as felt in the wrists or neck
ARTERIES	Arteries are blood vessels responsible for carrying blood away from the heart to the body.
VEINS	Veins are blood vessels that carry blood low in oxygen from the body back to the heart.
CAPILLARIES	Capillaries are very thin blood vessels. They bring nutrients and oxygen to tissues and remove waste products.
RED BLOOD CELLS	Cells that carry oxygen and remove carbon dioxide from the body.
WHITE BLOOD CELLS	White blood cells are part of the body's immune system. They help the body fight infection and other diseases.
PLASMA	Liquid part of the blood.
PLATELETS	An irregular, disc-shaped element in the blood that assists in blood clotting.

Sticky Knowledge

- Identify and name the main parts of the human circulatory system
- Describe the functions of the heart, blood vessels and blood.
- Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function.
- Describe the way in which nutrients and water are transported within animals, including humans.
- Explain the way the circulatory system interacts with other systems in the body. E.G. Skeletal, muscular, digestive

Exciting Book



Year 6: Circulatory System Knowledge Mat

Subject Specific Vocabulary

BLOOD VESSELS	Blood vessels are a series of tubes inside your body. They move blood to and from your heart.
ARTERIES/VEINS	Arteries are blood vessels responsible for carrying blood away from the heart to the body. Veins are blood vessels that carry blood low in oxygen from the body back to the heart.
ATRIUMS	The atriums are the two uppermost chambers of the heart. Blood is pushed from the atriums to the ventricles.
WILLIAM HARVEY	He was the first person to accurately describe the function of the heart and the circulation of blood around the body.
CARDIOVASCULAR	The blood circulatory system (cardiovascular system) delivers nutrients and oxygen to all cells in the body.
ULTRASOUND	An ultrasound machine uses sound waves to take pictures of the inside of the body.
CARDIOLOGISTS	A cardiologist is a doctor with special training and skill in finding, treating and preventing diseases of the heart and blood vessels.
CAPILLARIES	Capillaries are very thin blood vessels. They bring nutrients and oxygen to tissues and remove waste products.
PULSE	Your heart has to push so much blood through your body that you can feel a little thump in your arteries each time the heart beats.
VENTRICLES	The ventricles are the two lower chambers in the heart.

Interesting Book



Important facts to know by the end of the circulatory system topic:

- Identify and name the main parts of the human circulatory system.
- Know the function of the heart, blood vessels and blood.
- Know the impact of diet, exercise, drugs and lifestyle on health.
- Know the ways in which nutrients and water are transported in animals, including humans.
- Know who William Harvey was.

Sticky Knowledge about the circulatory system

- Your heart will beat about 115,000 times each day. Your heart pumps about 2,000 gallons of blood every day.
- The entire trip around your body only takes blood about 20 seconds in total. Blood is what is used to transport oxygen, waste, nutrients, and more throughout the body.
- The circulatory system includes the heart, blood vessels and blood, and is vital for fighting diseases and maintaining proper temperature.
- Because your heart is crucial to your survival, it's important to keep it healthy with a well-balanced diet and exercise, and avoiding things that can damage it, like smoking.
- Your heart affects every part of your body. That also means that diet, lifestyle, and your emotional well-being can affect your heart.

