



St Paul's C of E Primary School – Knowledge Organiser

Name of Topic

The Circulatory System

Year Group

6

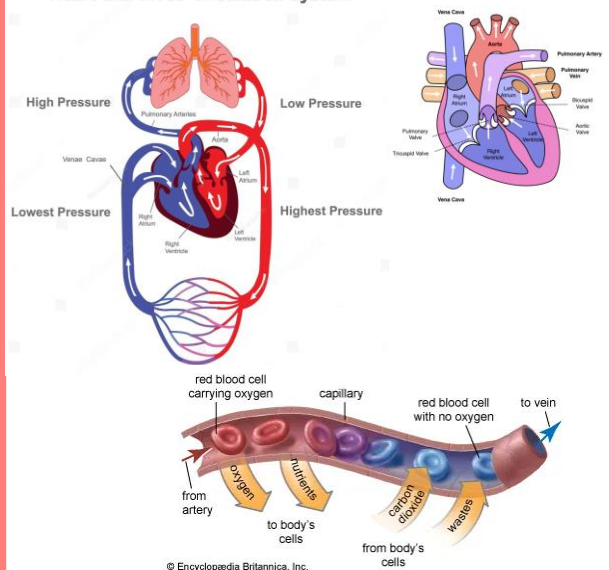
Key Vocabulary and Spellings

1	aorta	the main artery through which blood leaves your heart before it flows through the rest of your body
2	arteries	a tube in the body that carries oxygenated blood from your heart to the rest of your body
3	Blood vessels	the narrow tubes through which your blood flows- arteries, veins and capillaries
4	capillaries	tiny blood vessels in your body
5	Carbon dioxide	a gas produced by animals breathing out
6	Circulatory system	the system responsible for circulating blood through the body, that supplies nutrients and oxygen to the body and removes waste products such as carbon dioxide
7	deoxygenated	blood that does not contain oxygen
8	heart	the organ in your chest that pumps blood around your body
9	lungs	two organs which fill with air when you breath in and oxygenate blood, removing carbon dioxide
10	oxygenated	blood that contains oxygen
11	pulse	the regular beating of blood through your body
13	vein	a tube in your body that carries deoxygenated blood to your heart from the rest of your body
14	Vena cava	the main tube coming from the heart, that carries deoxygenated blood to the heart from the rest of the body

Top 5 Topic Facts

1	It takes 20 seconds for blood to circulate the entire human body.
2	A red blood cell makes 250,000 trips round the circulatory system before being replaced.
3	Your heart is a muscle that has an average beat of 60- 100 times a minute.
4	Bigger animals have slower resting heart rates
5	Pig's heart are very similar to human hearts in size and anatomy

Heart and Blood Circulation System



Key Investigations/Questions

1	What is the circulatory system and how does it differ in other animals?
2	What can help and harm the circulatory system?
3	What are the functions of different parts of the circulatory system?