

Year 6 Spring 1 Animals Including Humans

Key Vocabulary		Mammals have hearts with // to
circulatory system	A system which includes the heart,	four chambers. Notice // from body
	veins, arteries and blood transporting substances around the body.	has come from the body is to
heart	An organ which constantly pumps blood around the circulatory system.	India come from the body is lungs deoxygenated, and the from from lungs blood that has come from the lungs is oxygenated again. The blood isn't actually red and blue: from body we just show it like that on a diagram. deoxygenated blood oxygenated blood Capillaries are the smallest blood vessels in the body and it is here that the exchange of water, nutrients, oxygen and carbon dioxide takes place. arteries carry capillaries Veins carry
blood vessels	The tube-like structures that carry blood through the tissues and organs. Veins, arteries and capillaries are the three types of blood vessels.	
oxygenated blood	Oxygenated blood has more oxygen. It is pumped from the heart to the rest of the body.	
deoxygenated bloo	d Deoxygenated blood is blood where most of the oxygen has already been transferred to the rest of the body.	
The heart pumps blood to the lungs to get oxygen. It then pumps this oxygenated blood around the body.		blood away from the heart.
		If you linked up all of the body's blood vessels, including arteries, capillaries, and veins, they would measure over 60,000 miles.
Key Vocabulary		
drug A su chem	bstance containing natural or man-made icals that has an effect on your body when it s your system.	
alcohol A dru when	g produced from grains, fruits or vegetables they are put through a process called entation.	Blood transports: Geographic States (mostly oxygen and carbon dioxide);
1 1	ances that animals need to stay alive realthy.	The liquid part of blood contains water and protein. This is called plasma. • nutrients (including water); • waste products.
Plasma is liquid. The other parts of your blood are solid. Red blood cells carry oxygen through your body.		Regular exercise: • strengthens muscles including the heart muscle; • improves circulation; • increases the amount of oxygen
Drugs, alcohol ar have negative the body.	A healthy diet involves eating the right types of nutrients in the right amounts.	 around the body; releases brain chemicals which help you feel calm and relaxed; helps you sleep more easily; strengthens bones. It can even help to stop us from getting ill.
NC LINKS Animals including humans Identify and name the main parts of the human circulatory system, and describe		
 the functions of the heart, blood vessels and blood Recognise the impact of diet, exercise, drugs and lifestyle on the way their 		

- Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function
- Describe the ways in which nutrients and water are transported within animals, including humans.