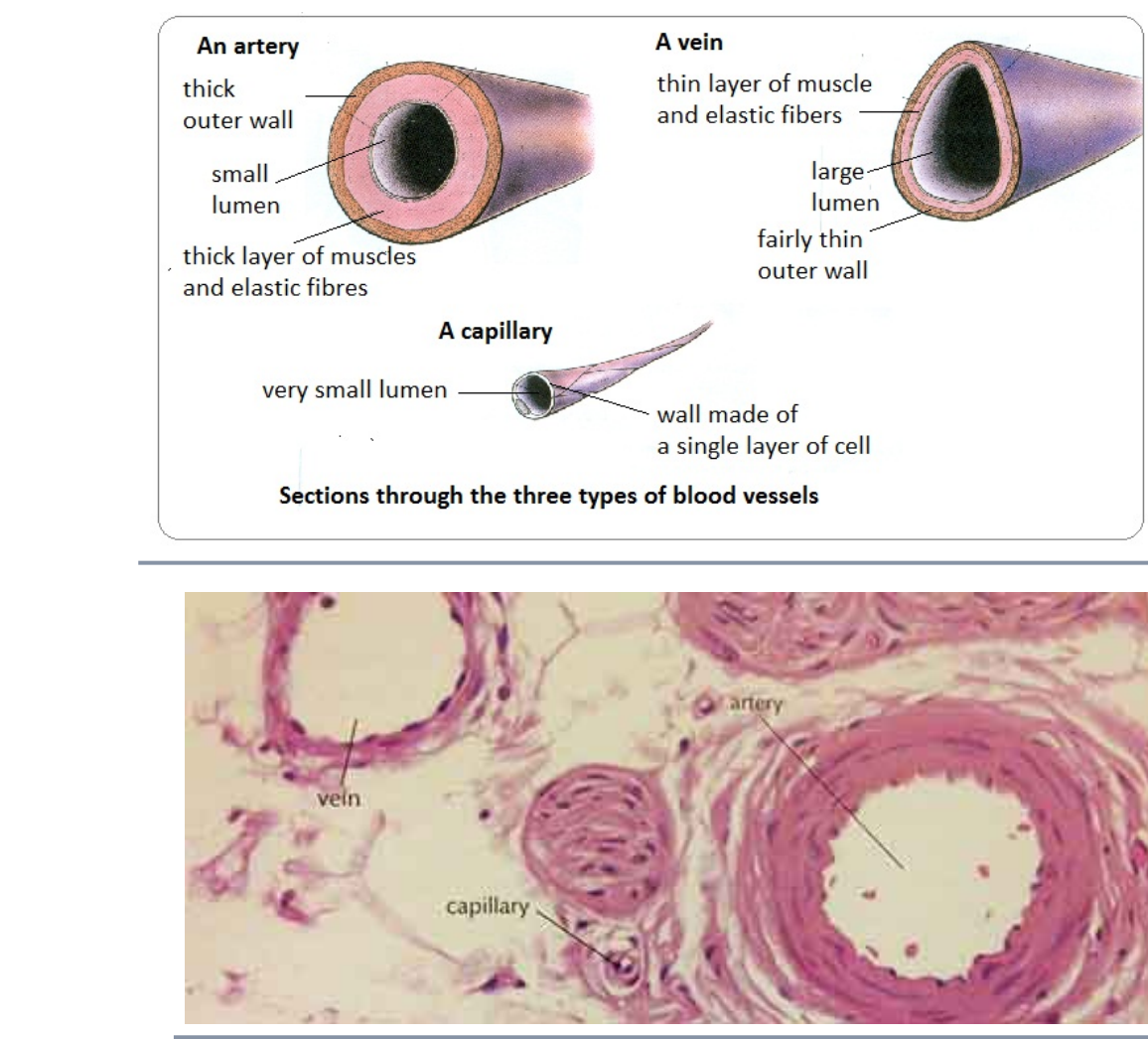




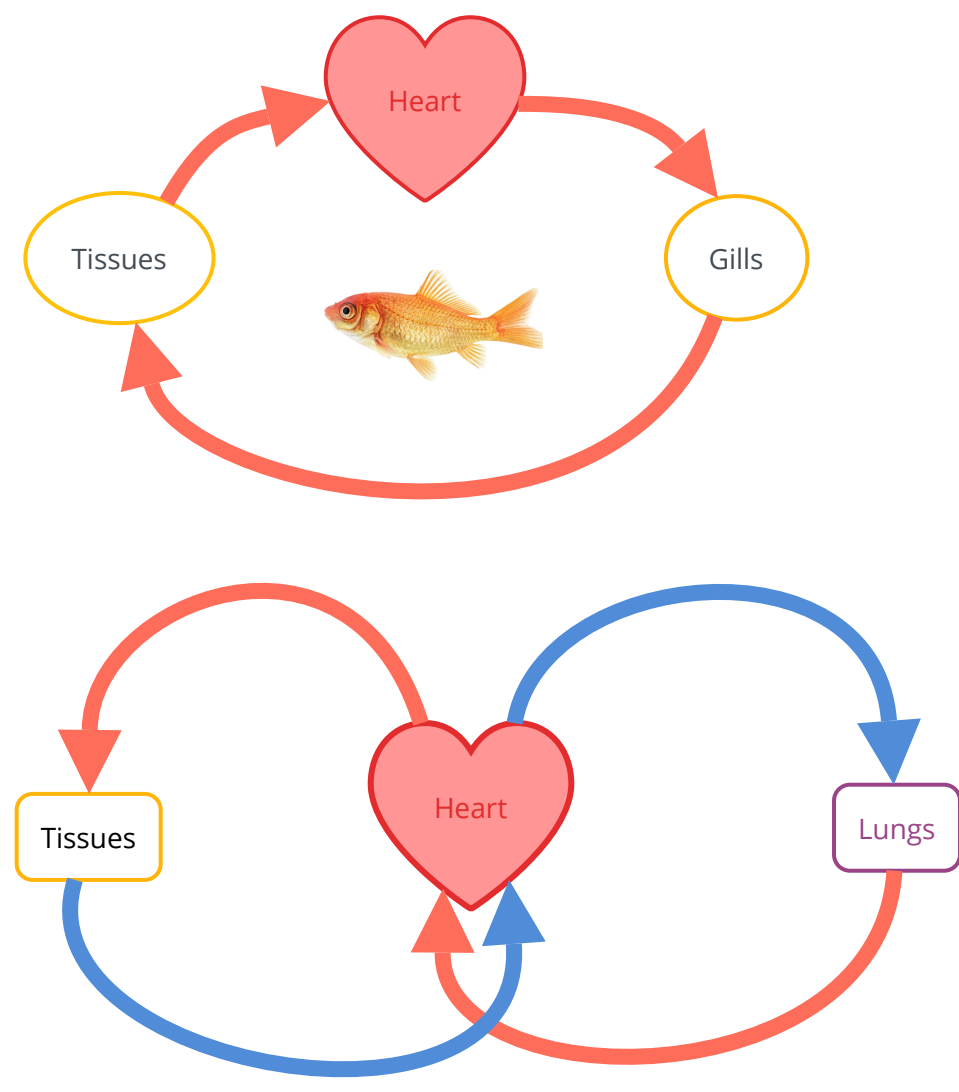
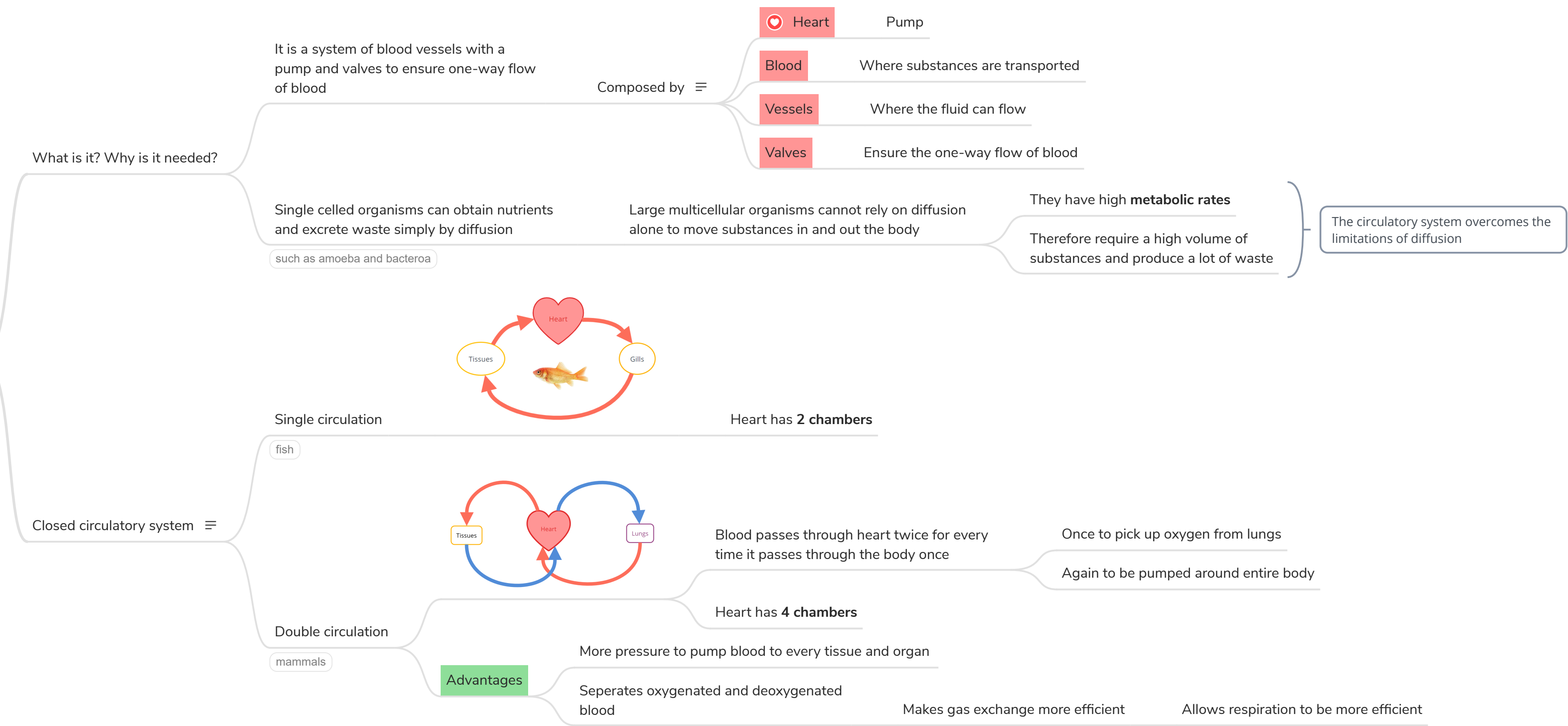
Diagrams and images

Blood vessels		
VALVES present to prevent backflow		
Arteries	Veins	Capillaries
Carries oxygenated blood away from heart	Carries deoxygenated blood to the heart	Connects arteries to veins
Blood at high pressure	Blood at low pressure	Reducing pressure
Narrow lumen to maintain high pressure	Wider lumen to return blood to heart quicker	Very narrow so can get close to every cell in the body
Thick layer of muscle and elastic to cope with pressure (to not burst)	Thin layer of muscle and elastic as blood is at low pressure	1 cell thick so oxygen can easily leave blood to get to cells by diffusion

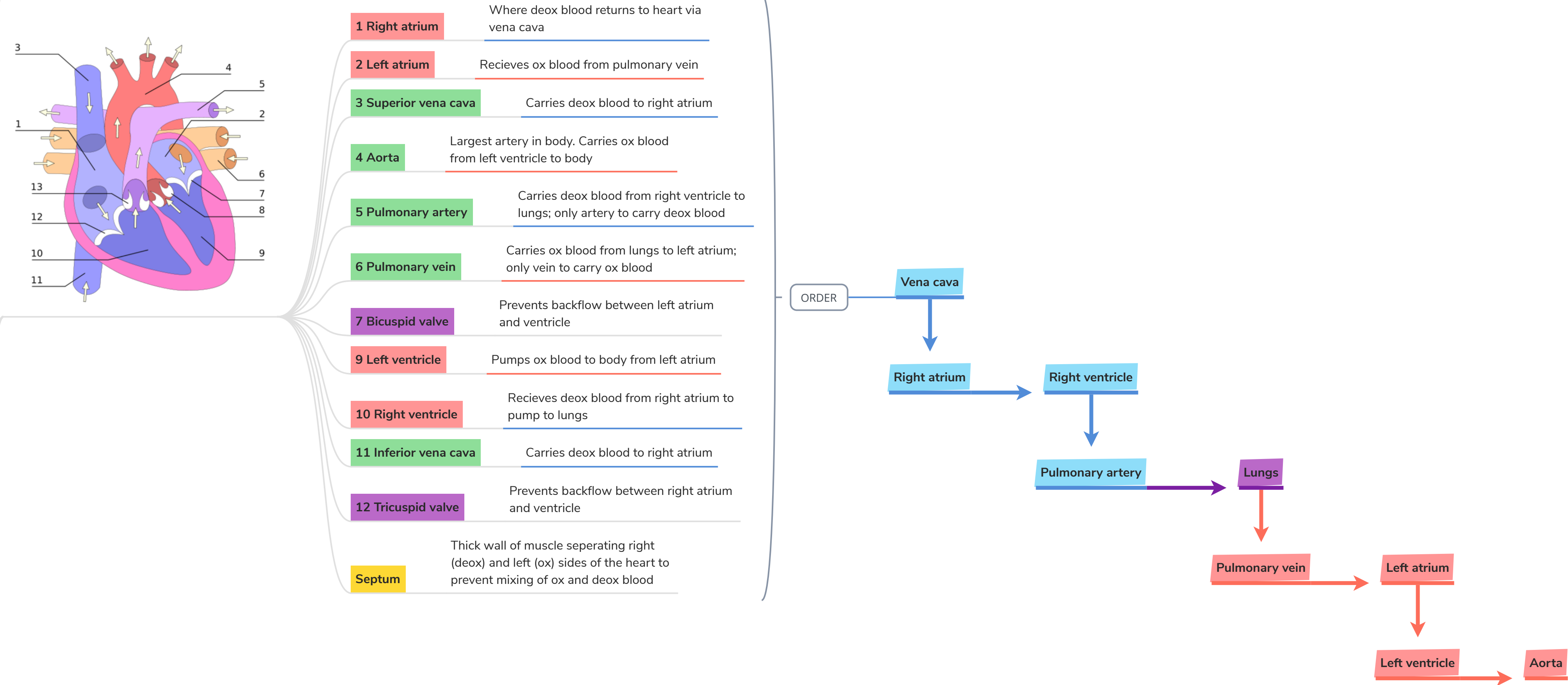
Important blood vessels		
ORGAN	DELIVERS BLOOD	TAKES BLOOD AWAY
Heart	1) vena cava 2) pulmonary vein	1) aorta 2) pulmonary artery
Lungs	pulmonary artery	pulmonary vein
Liver	1) hepatic artery (heart to liver) 2) hepatic portal vein (intestines to liver)	hepatic vein
Kidney	renal artery	renal vein

Blood vessels

Circulation system



Note: when labelling the heart, left and right are switched from out point of view



B9 - Transport in Animals

The heart

