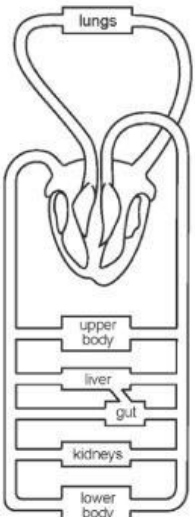
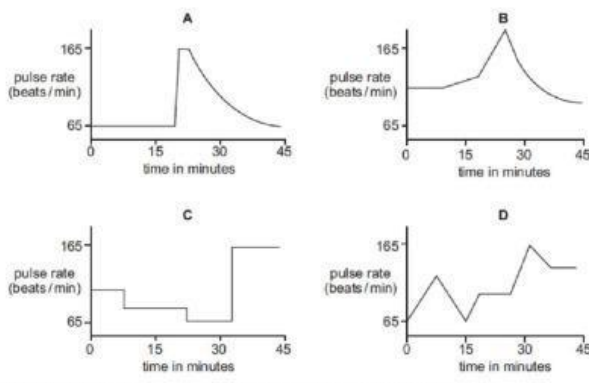
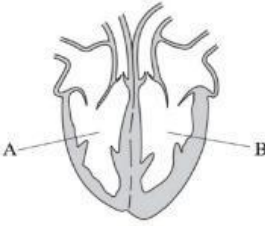
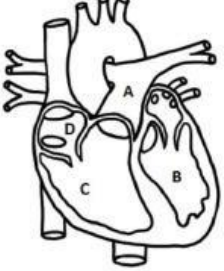




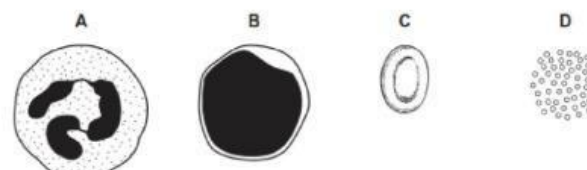
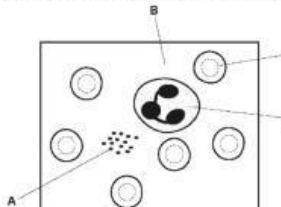
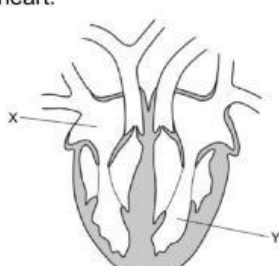
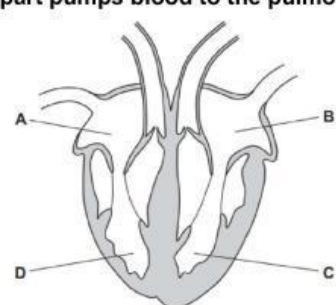
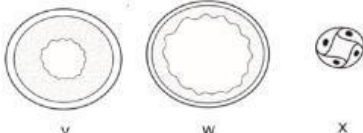
EASE Past Questions of Transport in Animals

Full Name : _____

Date : _____

1 [EASE 3 - 2018/2019] The diagram below shows the blood circulatory system of a human.  How many times does the blood pass through the heart on its way from the kidneys to the aorta? A. One B. Two C. Four D. More than four	2 [EASE 3 - 2018/2019] The graph shows changes in a person's pulse rate over a period of 45 minutes. The sequence of events involves: • 1st : waiting in a queue (10 minutes) • 2nd: entering a sports stadium (10 minutes) • 3rd: seeing a goal scored (15 minutes) • 4th : relaxing during half time (10 minutes)  Which graph shows this sequence of events? A. A B. B C. C D. D
3 [EASE 3 - 2019/2020] The diagram shows the human heart and some of the blood vessels connected to it.  Before blood in A reaches B, which process occurs to it? A. Giving up the heat to the skin. B. Giving up nutrients to body tissues. C. Passing through body capillaries. D. Gaining oxygen via gas exchange process.	4 [EASE 3 - 2018/2019] The diagram represents a part of human circulatory system  Which labelled part is the right ventricle? A. A B. B C. C D. D
5 [EASE 3 - 2018/2019] Which of the following condition may increase the risk of coronary heart disease? A. Diabetes B. Hypertension C. Constipation D. High blood cholesterol	6 [EASE 3 - 2018/2019] The _____ brings deoxygenated blood from the body tissues into the right atrium. The blood passes from each atrium to its corresponding ventricle, and the ventricle pumps it out into the _____. A. aorta - vena cava B. arteries - vena cava C. vena cava - arteries D. pulmonary vein - arteries
7 [EASE 3 - 2018/2019] What type of blood vessel is shown in figure number 2?	8 [EASE 3 - 2018/2019] The diagrams show some components of the blood of a mammal.



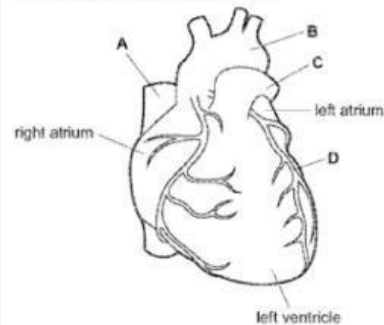
 1 2 3 A. Vein B. Artery C. Capillary D. Aorta	 Which component causes the blood to start clotting? A. A B. B C. C D. D															
9 [EASE 3 - 2019/2020] When blood is flowing through a vena cava, which main blood vessel will it flow through next? A. Aorta B. Renal artery C. Pulmonary artery D. Pulmonary vein	10 [EASE 3 - 2019/2020] Which blood vessel contains valves? A. Pulmonary artery B. Capillary C. Renal artery D. Renal vein															
11 [EASE 3 - 2019/2020] Which describes the structure and function of a red blood cell? <table border="1" data-bbox="178 862 780 1032"><thead><tr><th></th><th>structure</th><th>function</th></tr></thead><tbody><tr><td>A</td><td>cell contents are dead</td><td>transport of water</td></tr><tr><td>B</td><td>has a nucleus</td><td>produces antibodies</td></tr><tr><td>C</td><td>has cilia</td><td>moves particles in the respiratory tract</td></tr><tr><td>D</td><td>has no nucleus</td><td>transport of substances</td></tr></tbody></table>		structure	function	A	cell contents are dead	transport of water	B	has a nucleus	produces antibodies	C	has cilia	moves particles in the respiratory tract	D	has no nucleus	transport of substances	12 [EASE 3 - 2019/2020] The diagram shows human blood as seen through a light microscope. A person's blood is unable to clot. Which component of the blood is NOT functioning properly? 
	structure	function														
A	cell contents are dead	transport of water														
B	has a nucleus	produces antibodies														
C	has cilia	moves particles in the respiratory tract														
D	has no nucleus	transport of substances														
13 [EASE 3 - 2019/2020] The diagram shows a vertical section through a human heart.  What are X and Y? A. X = right atrium; Y = right ventricle B. X = left ventricle; Y = right ventricle C. X = right atrium; Y = left ventricle D. X = left ventricle; Y = left atrium	14 [EASE 3 - 2019/2020] The diagram shows a section through the heart. Which part pumps blood to the pulmonary arteries? 															
15 [EASE 3 - 2019/2020] The diagram shows human blood cells, as seen under a microscope. What is the function of cell X?  A. To carry glucose B. To carry oxygen C. To defend against disease D. To make the blood clot	16 [EASE 3 - 2019/2020] The diagram shows cross-sections through three types of blood vessel, not drawn to the same scale.  Which section is from a <u>vein</u> and which is from a <u>capillary</u>? A. V = vein; W = capillary B. X = vein; V = capillary C. W = vein; X = capillary D. X = vein; W = capillary															
17 [EASE 3 - 2019/2020]	18 [EASE 3 - 2019/2020]															



Which of the following statements is correct about the muscular wall of the heart?

- A. The wall of ventricles is thicker than atria because ventricles receive blood from the whole body.
- B. The wall of the left atrium is thicker than the wall of the right ventricle because it receives blood from the whole body.
- C. The wall of the left ventricles is the thickest among all heart chambers because it pumps blood to the whole body.
- D. The thickness of the muscular wall in all chambers is the same.

The diagram shows the outside of a human heart. During an unhealthy diet, such as a high lipid diet, the lipid may accumulate within blood vessels and become plaque. **In which labeled part the plaque located and causes coronary heart disease?**



19 [EASE 3 - 2019/2020]

Which substances are dissolved in human blood plasma?

- A. Carbon dioxide, hemoglobin and glucose
- B. Carbon dioxide, oxygen and hemoglobin
- C. Glucose, hormones and ions
- D. Oxygen, ions and starch

20 [EASE 3 - 2019/2020]

The graph shows the thickness of the muscular wall in each of the four chambers of the heart. **Which chamber is the right ventricle?**

