Nova’s Hearty Circulatory System Quiz

Learning objective: To identify and name the main parts of the human circulatory system and describe the functions of the heart, blood vessels, and blood.

Join Nova the barn owl on an adventure through the human body! Read each question carefully and write your answers clearly. Good luck, young scientists!

Answer Key: 1. A (Heart); 2. True; 3. Arteries; 4. B (Lungs); 5. False; 6. Oxygen; 7. C (Capillaries); 8. True; 9. Veins; 10. Carbon dioxide.

Word bank: Heart · Oxygen · Nutrients · Arteries · Veins · Capillaries · Lungs · Carbon dioxide

1. 1. Which organ acts as a muscular pump to push blood around the body? A) Heart* B) Brain C) Stomach D) Liver (1 mark)

2. 2. True or False: The circulatory system transports water and nutrients to all parts of the body. (1 mark)

3. 3. Which type of blood vessel carries blood away from the heart to the rest of the body? (1 mark)

4. 4. Blood travels to which organ to pick up fresh oxygen? A) Kidneys B) Lungs* C) Intestines D) Skin (1 mark)

5. 5. True or False: Blood only flows in one direction through the body. (1 mark)

6. 6. What is the name of the gas that blood collects from the lungs to deliver to our cells? (1 mark)

7. 7. Which tiny blood vessels allow the exchange of gases between blood and cells? A) Arteries B) Veins C) Capillaries* D) Heart chambers (1 mark)

8. 8. True or False: Exercise causes your heart rate to increase because your muscles need more oxygen. (1 mark)

9. 9. Which type of blood vessel usually carries deoxygenated blood back towards the heart? (1 mark)

10. 10. What is the name of the waste gas that blood carries away from the body's cells to be exhaled? (1 mark)

Draw: Draw a simple diagram of the human heart connected to two tubes (vessels). Label one tube 'Artery' and the other 'Vein'.

Extension challenge: Nova wants to know: Why does your heart rate stay high for a few minutes even after you stop running? Write a short paragraph explaining the link between exercise, breathing, and your circulatory system.