

Nova's Guide to the Human Circulatory System

Learning objective: To describe the components and functions of the human circulatory system, including the heart, blood vessels, and blood.

Use this scaffold to structure your report. Ensure you use precise scientific vocabulary to explain how oxygen and nutrients are transported around the body.

The human circulatory system is a complex network that acts as the body's primary transport service, ensuring every cell receives the oxygen and nutrients it requires to function.

Word bank: oxygenated · deoxygenated · circulatory system · arteries · veins · capillaries · nutrients · consequently · furthermore · in addition · vital function

1. Introduction: Define the primary role of the circulatory system. Start your paragraph with: 'The main purpose of the circulatory system is to...' (2 marks)

2. The Heart: Describe the function of the heart as a pump. Start your paragraph with: 'Acting as a powerful muscle, the heart works by...' (3 marks)

3. Blood Vessels: Explain the differences between arteries, veins, and capillaries. Start your paragraph with: 'There are three main types of blood vessels, which include...' (3 marks)

4. The Role of Blood: Detail what blood carries to the body's cells. Start your paragraph with: 'Blood is essential because it transports...' (2 marks)

5. Conclusion: Summarise why a healthy heart is important for overall wellbeing. Start your paragraph with: 'In conclusion, maintaining a healthy circulatory system is vital because...'
(2 marks)

Extension challenge: Research how exercise affects heart rate. Write a short paragraph explaining why Nova the owl might observe a faster pulse after a flight.