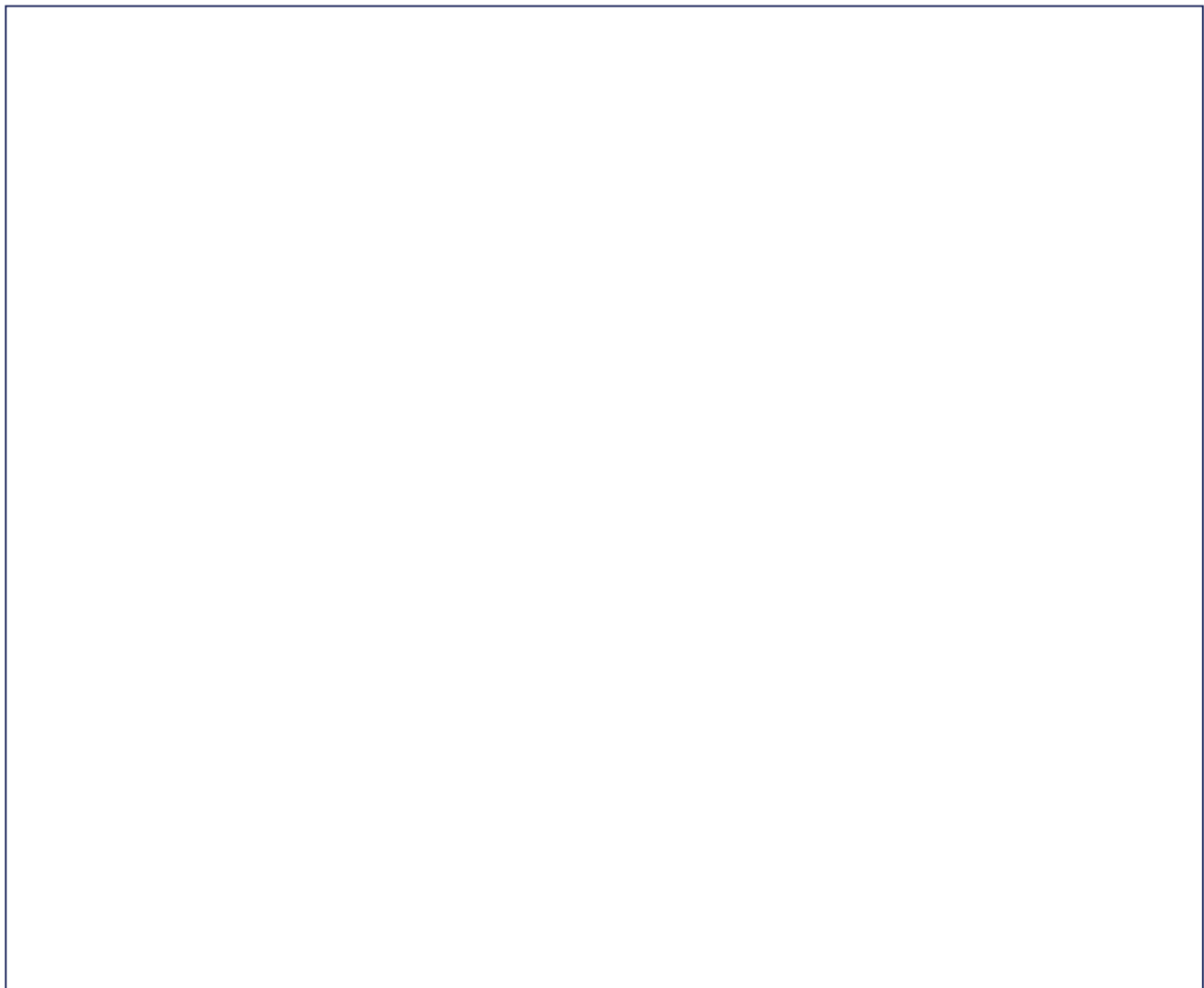


Nova's Guide to the Human Circulatory System

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

Use the drawing prompt below to create a diagram of the human circulatory system. Once you have finished your sketch, use the word bank to label the key parts and complete the questions to show your understanding.

Draw: Draw a clear, large diagram of the human circulatory system on a plain background. Draw the heart in the centre of the chest area. Use red to trace the path of oxygenated blood travelling away from the heart, and blue to trace the path of deoxygenated blood returning to the heart. Include the lungs as two shapes next to the heart to show the connection. Keep the style scientific and neat, like a page from a biology textbook.



Label words: Heart · Lungs · Arteries · Veins · Capillaries · Oxygenated blood · Deoxygenated blood

Steps:

1. Label your drawing to show which blood vessels carry blood away from the heart and which ones carry it back towards the heart.
2. Describe the main function of the heart in the human circulatory system.
3. Why is it important for blood to travel to the lungs before being pumped to the rest of the body?

4. What are the three main types of blood vessels found in the human body?
5. If you were designing a 'fuel' system for a machine, how would you compare the blood to the fuel?