

Human Organ Systems: Respiratory and Circulatory

Class 5 • Science • Worksheet (illustrative sample)

Worksheet for Class 5 Science: Human Organ Systems: Respiratory and Circulatory.

Questions

1. Name the organ where gas exchange takes place in the respiratory system.
2. What are the tiny air sacs in the lungs called?
3. How many chambers does the human heart have?
4. Which blood vessels carry blood away from the heart?
5. What happens to your heart rate when you sprint, and why?
6. Explain the function of haemoglobin in red blood cells.
7. Differentiate between an artery and a vein in one clear sentence.
8. Why is breathing through your nose healthier than breathing through your mouth?

Answer Key

1. The lungs
2. Alveoli
3. Four chambers (2 atria and 2 ventricles)
4. Arteries
5. Heart rate speeds up to pump more oxygen and nutrients to active muscles
6. Haemoglobin binds with oxygen in the lungs and carries it to body cells
7. Arteries carry blood away from the heart under high pressure; veins return blood to the heart
8. The nose filters dust with mucus and cilia, and warms and moistens the air before it reaches lungs

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