

Y6 Circulatory System

KS2 Y6 Science · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

Name the three main parts of the circulatory system and their jobs.

Step 1 · The heart

A muscle that pumps blood around the body

Step 2 · Blood vessels

Tubes that carry blood: arteries, veins and capillaries

Step 3 · Blood

Carries oxygen, nutrients and water to the body, and takes waste away

Answer: Heart (pump), blood vessels (tubes) and blood (transport).

Check: Learn all three, with a job for each. It's a common test question.

2. Now try one with the steps

Why does the heart have two sides?

Step 1 · Right side

Step 2 · Left side

Step 3 · Why keep them apart?

Answer:

3. Practice

Have a go at each one. There is space underneath to work it out.

1. What is the main job of the heart?

2. Name the three types of blood vessel.

3. Which blood vessels carry blood away from the heart?

4. Which blood vessels carry blood back to the heart?

5. Where does blood pick up oxygen?

6. What gas does blood carry to the lungs to be breathed out?

7. Which part of the blood carries oxygen?

8. Which part of the blood fights germs?

9. Roughly how many litres of blood does an adult have?

10. Which side of the heart pumps blood to the lungs?

11. Why do capillaries have very thin walls?

12. What do the valves in veins do?

13. Put in order, starting at the right side of the heart: body, lungs, left side of heart.

14. Explain why your heart rate goes up during exercise.

4. Before you hand it in

Thinking arteries carry oxygen-rich blood and veins carry oxygen-poor blood.

Arteries: Away from the heart. Veins: back to the heart.

Thinking blood is blue inside the body.

Diagrams use blue just to show oxygen-poor blood.

Thinking the heart is on the far left of the chest.

Your heart is behind your breastbone, a little to the left.

Thinking blood goes round once and is used up.

It's a loop: heart, lungs, heart, body, heart...