

Human Heart Quiz

Ten questions on the whole series. Answer them all, then turn the page round to check.

1 Which chamber pumps oxygen-poor blood to the lungs?

A Right atrium

B Right ventricle

C Left atrium

D Left ventricle

2 Which valve lies between the left atrium and the left ventricle?

A Tricuspid valve

B Pulmonary valve

C Mitral valve

D Aortic valve

3 Which blood vessels bring oxygen-rich blood from the lungs into the heart?

A Vena cava

B Aorta

C Pulmonary artery

D Pulmonary veins

4 Roughly how many times does a heart beat in one day?

A About 1,000

B About 10,000

C About 100,000

D About 1,000,000

5 Which structure starts each heartbeat?

A The AV node

B The SA node

C The septum

D The brain

6 Why does the left ventricle have a thicker wall than the right?

A It pumps more blood per beat

B It pushes blood all round the body

C It receives blood from the body

D It contains the pacemaker

7 Which blood vessels have walls only one cell thick?

A Arteries

B Veins

C Capillaries

D The aorta

8 Who published proof that blood circulates round the body, in 1628?

A Galen

B Ibn al-Nafis

C William Harvey

D Christiaan Barnard

9 What does 'double circulation' mean? Name both loops.

10 Diagrams show oxygen-poor blood in blue. What colour is it really, and why is it drawn blue?

ANSWERS

1. B: Right ventricle
2. C: Mitral (bicuspid) valve
3. D: Pulmonary veins
4. C: About 100,000 ($70 \times 60 \times 24 \approx 100,800$)
5. B: The SA node, the heart's natural pacemaker
6. B: It must push blood all round the body (both ventricles pump the same amount)
7. C: Capillaries
8. C: William Harvey
9. Blood passes through the heart twice per circuit: the pulmonary loop (heart-lungs) and the systemic loop (heart-body)
10. Dark red: all blood is red. Blue is only a convention to tell oxygen-poor from oxygen-rich blood

SERIES COMPLETE

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