

Science - Test Your Skills

Year 6 Circulation



1. Match the parts of the circulatory system with the correct function:

Heart	Made of red blood cells, white blood cells, platelets and plasma
Blood vessels	A network of tubes inside the body through which blood flows
Blood	Pumps blood around the body, delivering oxygen and nutrients

1 mark

2. Fill the gaps: Choose from the words listed below.

The heart pumps blood to your....., which picks up oxygen from the air you breathe in. The blood travels back to your heart. The heart sends this blood to all of your body, delivering..... to them all. The blood travels back to your heart and starts again.

oxygenated carbon dioxide heart deoxygenated lungs oxygen

2 marks

3. Cross out the incorrect words in bold to complete the paragraph below.

The harder you exercise the more **oxygen / carbon dioxide** your body needs. Therefore your heart beats **slower / faster** to pump **more / less** blood and get more **carbon dioxide / oxygen** to muscles.

1 mark

4. List one positive impact that diet and exercise can have on the body:

1 mark

5. Circle four things that are transported around the body in the blood.

- | | | | |
|-----------------|---------------|----------------|-----------|
| bits of plastic | water | carbon dioxide | nutrients |
| rocks | blood vessels | oxygen | thoughts |

1 mark

6. Chambers of the heart to the correct function:

- | | |
|-----------------|---|
| Right Atrium | De-oxygenated blood from the body enters and travels into the right ventricle |
| Right Ventricle | Oxygenated blood from the lungs enters and is pumped into the left ventricle |
| Left Atrium | |
| Left Ventricle | Oxygenated blood is pumped all around the body |
| | De-oxygenated blood is pumped to the lungs |

1 mark

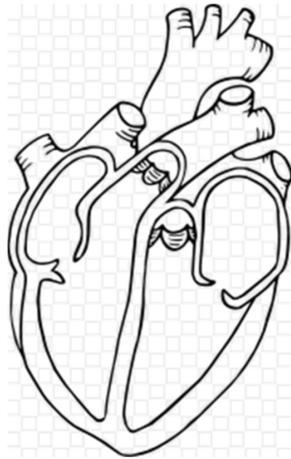
7. Fill the gaps below to complete the paragraph about blood and blood vessels:

Arteries carry bloodthe heart and to the body.
.....are blood vessels which carry blood back to the heart.
Blood travels through.....in and out of muscles.

- direction into away from veins capillaries

1 mark

8. A) Label **one valve** on the diagram.



2 marks

B) Describe the role of the valve you have labelled.

/10

Total