Organisation

Biology Paper 1 | 5 questions, 6 marks each

GCSE science 6-mark questions

This topic online

Name: _____ **Date:** _____ **Score:** _____ **/ 30**

Plan before you write: jot down the 6 or more ideas you need, then put them in a sensible order. For compare questions give both sides of each point; for evaluate questions use the information and finish with a conclusion.

1 Kwame's grandfather has had a check-up at his GP surgery. The nurse explained how blood travels through the heart.

Describe the route blood takes from the moment it enters the heart from the body until it leaves the heart again to go back to the body.

(6 marks)

Free for classroom and home use: print, photocopy and share. Not for resale or re-hosting.

2 A student is writing a revision card about the three types of blood vessel.

Compare the structure of arteries, veins and capillaries, and explain how each structure is linked to the job of the vessel.

(6 marks)

Free for classroom and home use: print, photocopy and share. Not for resale or re-hosting.

3 Mrs Okafor, aged 62, has coronary heart disease. Her doctor gives her information about three treatments.

Treatment	Information
Statins	Daily tablets. Lower blood cholesterol. Take weeks to have an effect. Rare side effects such as muscle pain.
Stent	Small mesh tube placed in the artery under local anaesthetic. Home the next day. The artery can narrow again over time.
Bypass surgery	Major operation using a blood vessel from the leg. Several weeks to recover. Long-lasting.

Evaluate these treatments for Mrs Okafor. Give a justified conclusion. (6 marks)

Free for classroom and home use: print, photocopy and share. Not for resale or re-hosting.

4 Aisha measured how much water a leafy shoot lost in one hour under different conditions.

Condition	Water lost in g per hour
Still air, 20 °C	1.2
Fan blowing, 20 °C	2.1
Still air, 30 °C	1.9
Still air, 20 °C, bag over the shoot (humid)	0.4

Use the data and your knowledge of transpiration to explain the results. (6 marks)

Free for classroom and home use: print, photocopy and share. Not for resale or re-hosting.

5 Liam eats a cheese sandwich made with white bread and butter.

Explain how enzymes and bile help Liam to digest the starch, protein and fat in the sandwich.

(6 marks)

End of questions | Total 30 marks

Free for classroom and home use: print, photocopy and share. Not for resale or re-hosting.