



Blood

1 What is the function of red blood cells and how are they adapted to perform this function?

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[3 marks]

2 How is carbon dioxide transported in the blood?

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[1 mark]

3 What is formed when oxygen combines with haemoglobin?

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[1 mark]

4 People with HIV have less white blood cells than normal, which makes them susceptible to infections.
State the role of white blood cells, and three ways they can perform this role

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[4 marks]

5 Blood plasma makes up around 55% of the blood and transports dissolved substances around the body
Give 4 examples of substances it transports in this way.

- 1)
- 2)
- 3)
- 4)

[2 marks]

6 Platelets are small fragments of cells that travel in the blood. Some people have lower concentrations of platelets than normal though. Use your knowledge of their role to explain what affect this could have.

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[3 marks]

7 What is it called when a person receive real blood that has been donated from a blood donor?

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[1 mark]

8 In cases of severe blood loss, doctors can replace the blood with either artificial or real donated blood. Discuss how they differ and their relative advantages and disadvantages

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[4 marks]

[Total 19 marks]