

Key

Blood homework

A Watch the video and complete the gaps.

- 1 Blood is actually a ___mixture___ of cells suspended in a slightly-yellowish ___liquid___ called plasma.
- 2 Plasma is ___made___ up mostly of water, but it also contains ___proteins___, sugars, hormones and ___salts___.
- 3 RBC make up ___40-45%___ of your blood. They're round and look a little like a ___doughnut___.
- 4 Their main job is to ___carry___ oxygen to the other cells of the body and to take away the carbon dioxide as a ___waste___ product.
- 5 RBC only live for ___months___, but healthy bone marrow produces ___4-5 billion___ RBC every hour.
- 6 WBC fight infection from ___bacteria___, ___viruses___, all those nasty ___microbes___ that can cause disease.
- 7 When at last they find the invader ___germs___, they quickly move in for the kill.
- 8 Platelets are small pieces of ___cell material___ or cytoplasm whose job it is to plug ___holes___ in a vessel's walls.
- 9 Platelets form a plug that stops the loss of blood within ___3-5___ minutes.
- 10 A platelet plug will last for only ___24-72___ hours.

B Complete the mind map with words from the box:

- | | | |
|-----------------------|--------------------|----------------------------|
| 1 transport nutrients | 9 leukocytes | 17 antibodies |
| 2 homeostasis | 10 red blood cells | 18 monocytes |
| 3 plasma | 11 nucleus | 19 inflammatory reaction |
| 4 water | 12 biconcave disc | 20 eosinophils |
| 5 albumins | 13 haemoglobin | 21 defend against diseases |
| 6 globulins | 14 oxygen | 22 phagocytes |
| 7 platelets | 15 bone marrow | |
| 8 haemostasis | 16 haematopoiesis | |

C Reading the blood count results:

Complete the sentences describing the results of the report above:

- 1 Haemoglobin is ___within___ normal ___limits___, one hundred and forty-three ___per___ litre.
- 2 Haematocrit is ___low___, 0.224 ___litres___ per ___litre___.
- 3 Mean cell volume is ___reduced___, 72.5 ___fL___.
- 4 White cell count is ___normal___, 7.4 ___times ten to the power nine per litre___.

