

### Homework questions on the blood system video

Go onto the 'Ovingham Middle School' website. Click on the 'For pupils' tab at the top of the page. Click on 'Student zone'. Click on the video called 'The blood and the blood system'. Answer the following questions:

1. Why is the blood system sometimes called the 'Circulatory system'?
2. What job does the heart do in the body?
3. What does an artery do?
4. What does a vein do?
5. If blood is described as 'oxygenated', what does this mean?
6. What is 'Deoxygenated' blood?
7. Which artery carries deoxygenated blood?
8. When blood flows through tiny blood vessels called capillaries, what 2 substances does it lose to cells that make up the organ?
  - .
  - .
9. How would you describe the thickness of the capillary walls?
10. What poisonous gas moves out of the cells and into the blood inside the capillaries?
11. Where does the blood take this gas to to allow it to be removed from the body?

12. Which side of the heart pumps blood to the lungs?

13. Which side of the heart pumps blood to the body?

14. Why has the left ventricle got a more muscular wall than the right ventricle?

15. What colour is blood plasma?

16. Name 4 substances that **dissolve** in the plasma

- .
- .
- .
- .

17. Name 3 things that **float** in the blood plasma.

- .
- .
- .

18. What do red blood cells carry around the body?

19. Why do red blood cells have a biconcave disc shape?

20. What red substance does oxygen attach to?

21. What do we need from our diet to make this red substance?

22. What do white blood cells destroy in our body?

23. What does the word 'engulf' mean?

24. What are antibodies?

25. What do platelets do?

26. How do platelets prevent us from getting infections?