S3 Body systems homework

The answers to these questions should be in your Science jotter. If not, you will need to research to find the answers. The last question will require research.

Level 2

1. What is the function of the;

(i) skull; (ii) pelvis; and (iii) femur?

Level 3

2. What type of muscle is the heart made from?

3. What are the lower chambers of the heart called?

4. What type of blood vessels carry blood away from the heart?

5. How are blood capillaries suited to their function?

6. What is the role of valves in the circulatory system?

7. What device is used to measure blood pressure?

8. State one risk of;

(i) high blood pressure; and (ii) low blood pressure.

9. What is the function of the lungs?

10. Describe how a peak flow meter can be used to test for asthma.

11. Why are skeletal muscles described as ANTAGONISTIC?

12. What is the poisonous substance removed from your blood by the kidneys?

Level 4

13. (a) Glucose and Oxygen need to be delivered by the blood to all cells. What process, that generates energy inside cells, needs these?

(b) Describe how the heart and lungs assist this process when you area exercising.

14. Describe how the kidneys and brain control water balance in your body.

15. In response to low rates of kidney donation, the Scottish Government may pass a law known as ‘PRESUMED CONSENT’. Why might this be seen as a CONTROVERSIAL move?