

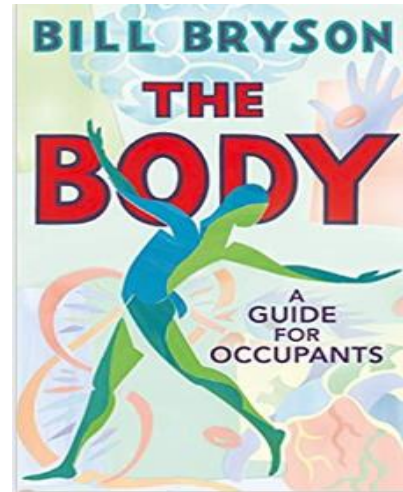
Transition Pack for A Level Biology

Year 12 into Year 13



Reading

Read the book and answer the questions below. Each question relates to a chapter in the book (borrow from library or get a second hand copy from Amazon for £1)



1. According to the RSC, using Benedict Cumberbatch as a template, how much would it cost to build a human?
2. In 2007, how many species of bacteria were found in the belly buttons of 60 Americans, and how many of these species were unknown to Science?
3. Where is all today's penicillin originally derived from and who found this?
4. In 1956, how many US states was it illegal for epileptics to marry?
5. What are you seeing, when you sometimes see white flashes when looking at a blue sky?
6. When blowing out a candle on a cake, how much is the coverage of bacteria increased by?
7. Where did H. P. Frey collect his soil sample and what did it contain?
8. What did Jeffrey Friedman find and where is it made?
9. How much thicker is the bicep in the serving arm of a tennis player?
10. According to one calculation, how much must you walk or jog to lose 1lb in weight?
11. How heavy would a human be if scaled up to 100ft? How much heavier is this?
12. What did Peter Medewar observe in the Summer of 1940?

Reading

Read the book and answer the questions below. Each question relates to a chapter in the book

13. How long did Charles Osbourne hiccup for and how did they start? How many times did he hiccup?
14. How many spoons of sugar is 150g of rice equivalent to?
15. What did Wheeler Bryson Lipes say to Dean Rector before he carried out surgery?
16. What is alarming about a dozen long-haul flight pilots?
17. How many genes does the Y chromosome have and how long has it been shrinking?
18. How many eggs will a 20 week old foetus have inside her? What will this number be at birth?
19. Who coined the term synapse & what sport teams was he a member of?
20. What does Bill Bryson say makes a successful virus?
21. What percentage of cancer diagnosis a ear account for those 19 or under? Of these what percentage are leukaemia?
22. What is the life expectancy of men in East Glasgow? And where is this 9 years less than?
23. What does the liver continue to do after death?

Tasks:

1) complete past paper questions on the units of:-

i) **Unit 1 and 3 qus**

ii) **Unit 2 and 4 qus**

Questions have been uploaded to TEAMS

2) Write an essay on 'The importance of nitrogen-containing substances in biological systems.' 25 marks.

3) Prepare new folder for year 13 including:

- Specification
- Notes section
- Past paper section
- Homework section
- Wider reading/independent study