

BIOLOGY DEPARTMENT 6th FORM READING LIST

GENERAL

1. Bellamy, David, *Botanic Man*, Hamlyn
2. Conway Morris *The Crucible of Creation*
3. Dawkins, Marian Stamp (1998). *Through our eyes only?* (OUP)
4. Dawkins, Richard, *River Out of Eden*, OUP
5. Dawkins, Richard, *Climbing Mount Improbable*, Penguin
6. Dawkins, R. (2004) *The ancestor's tale*. Weidenfeld and Nicholson
7. Fortey, Richard (1997) *Life, an unauthorised biography* London: Flamingo
8. Gould , Stephen Jay, *Wonderful Life*, Penguin
9. Hauser, Marc, *Wild Minds*, Penguin
10. Jones, S. (1997). *In The Blood* (Harper/Collins)
11. Margulis, L. (1998) *The Symbiotic Planet: A new look at evolution* (Weidenfeld & Nicholson)
12. Maynard Smith, J. and Szathmary, E. (1999) *The Origins of Life*
13. Ridley, Matt, *Genome*, Penguin
14. Ridley, Matt, *The Red Queen*, Fourth Estate
15. Tudge, C. (2002). *The variety of life*. Oxford: University Press. Now in paperback, £14.99)
16. Watson, J. D. *The Double Helix*, Pelican
17. Wilson, E.O. *The diversity of life*, Penguin
18. *The Life Science: P & J Medawar*. Oxford Univ Press 1978
ca. £7

19. Pluto's Republic (including the Art of the Soluble): P Medawar. Oxford Univ Press 1984 ca. £7
20. Man in the Natural World: Thomas. Penguin 1987 £7
21. The Faber Book of Science: ed. Carey. Faber 1995 £18
22. Popper: Magee. Fontana Modern Masters 1985 £6
23. The Logic of Scientific Diversity: Karl Popper, Routledge 2002 £10
24. A Short History of Nearly Everything: Bill Bryson, Transworld Publishers Ltd Black Swan 2004 £9

25. The Biological Sciences Review - Philip Allen Pub, Market Place, Deddington OX15 0SE ca. £20/yr contains good, straightforward articles on a wide range of subjects.
26. New Scientist and Scientific American have good coverage of current issues.
27. Editorials in Nature and Science (News and Views etc) cover current issues at a fairly sophisticated level.
28. The Scientist (www.the-scientist.com) often includes excellent short reviews of key topics.
29. Oxford Observed: P Snow, John Murray Publ 1991 ca. £9

GENETICS AND EVOLUTION

30. The Seven Daughters of Eve: Bryan Sykes, Corgi 2002 £7
31. Genes Peoples and Languages: Luigi Luca Cavalli-Sforza, Penguin 2001 £80
32. Genome: Matt Ridley, Fourth Estate 2000 £9
33. The Language of the Genes: Steve Jones, Flamingo 1994
34. Almost Like A Whale: Steve Jones, Transworld Publishers Ltd 2000 £10

35. Darwin's Dangerous Idea - Evolution and the Meanings of Life: Daniel C Dennett, Penguin Books 1996 £12
36. Guns Germs and Steel: Jared Diamond 1996 ca. £18
37. An Intelligent Person's Guide to Genetics: Adrian Woolfson, 2004 (Duckworth Overlook) £15
38. Any book by Stephen Jay Gould or Richard Dawkins.
39. Figments of Reality: Ian Stewart & Jack Cohen, Camb Univ Press 1999 £10

SYSTEMS PHYSIOLOGY AND NEUROPHYSIOLOGY

40. Life at the Extremes: Frances Ashcroft, Univ California Press 2002 £9
41. The Human Brain - A Guided Tour: Susan Greenfield, Orion 2000 £7
42. Eye and Brain: Richard Gregory, Oxford Univ Press 1997 £12
43. The Computer and the Brain: John von Neumann, Yale Univ Press 2000 £7
44. The Man Who Mistook His Wife for a Hat: Oliver Sacks, Picador 1986 £7
45. Phantoms of the Brain: VS Ramachandran & Oliver Sacks, Fourth Estate 1999 £10
46. Neuroscience: Science of the Brain – an intro for young students. Brit Neurosci Ass www.bna.org.uk/publications 2003 £8
47. The Music of Life - Biology Beyond the Genome: Denis Noble. Oxford University Press 2006 £13
48. The Tinkerer's Accomplice: How design emerges from life itself – J Scott Turner. Harvard Univ Press 2007 £15

49. An Introduction to Nervous Systems: Ralph Greenspan. Cold Spring Harbor Laboratory Press 2007 £27