

NS3106: Evolution

View Online



-
1.
Reece, Jane B. & Campbell, Neil A. Biology. (Pearson Education, 2011).

 2.
Brooker, Robert J. Biology. (McGraw-Hill Higher Education, 2010).

 3.
Raven, Peter H., Johnson, George B., Mason, Kenneth A., Losos, Jonathan B., & Singer, Susan R. Biology. (McGraw-Hill, 2013).

 4.
Zeigler, D. Evolution: components and mechanisms. (Academic Press, 2014).

 5.
Barton, Nicholas H. Evolution. (Cold Spring Harbor Laboratory Press, 2007).

 6.
Stearns, S. C. & Hoekstra, Rolf. Evolution: an introduction. (Oxford University Press, 2005).

 - 7.

Ridley, Mark. Evolution. (Blackwell, 2004).

8.

Ridley, M. Evolution. (Blackwell, 2004).

9.

Alberts, B. Molecular biology of the cell (Sixth edition). (Garland Science, Taylor and Francis Group, 2015).

10.

Benton, M. J. & Harper, D. A. T. Introduction to paleobiology and the fossil record. (Wiley, 2008).

11.

Benton, M. J. & Harper, D. A. T. Introduction to paleobiology and the fossil record. (Wiley, 2008).

12.

Black, Rhona M. The elements of palaeontology. (Cambridge University Press, 1988).

13.

Clarkson, E. N. K. Invertebrate palaeontology and evolution. (Blackwell Science, 1998).

14.

Clarkson, E. N. K. Invertebrate palaeontology and evolution. (Blackwell Science, 1998).

15.

Jones, Steve, Martin, Robert, & Pilbeam, David. The Cambridge encyclopedia of human

evolution. (Cambridge University Press, 1992).

16.

Jobling, M. A. Human evolutionary genetics. (Garland Science, 2013).

17.

Barnosky, A. D. et al. Has the Earth's sixth mass extinction already arrived? *Nature* **471**, 51-57 (2011).

18.

Prum, O Richard. Which came first, the feather or the bird? *Scientific American* **288**, (2003).

19.

Niedźwiedzki, G., Szrek, P., Narkiewicz, K., Narkiewicz, M. & Ahlberg, P. E. Tetrapod trackways from the early Middle Devonian period of Poland. *Nature* **463**, 43-48 (2010).

20.

Shubin, N. H., Daeschler, E. B. & Jenkins, F. A. The pectoral fin of *Tiktaalik roseae* and the origin of the tetrapod limb. *Nature* **440**, 764-771 (2006).

21.

Green, R. E. et al. A Draft Sequence of the Neandertal Genome. *Science* **328**, 710-722 (2010).

22.

Introduction to Evolution and Natural Selection. (21AD).

23.

Evolution in Action.

<http://www.sumanasinc.com/webcontent/animations/content/evolution/evolution.html>.

24.

The cell cycle, mitosis and meiosis — University of Leicester.

<http://www2.le.ac.uk/departments/genetics/vgec/schoolscolleges/topics/cellcycle-mitosis-meiosis/the-cell-cycle-mitosis-and-meiosis>.

25.

Patterns of inheritance — University of Leicester.

<http://www2.le.ac.uk/departments/genetics/vgec/schoolscolleges/topics/inheritancepatterns>.

26.

Animations.

http://highered.mheducation.com/sites/0072437316/student_view0/chapter12/animations.html.

27.

Animation Mitosis.

<http://www.sumanasinc.com/webcontent/animations/content/mitosis.html>.

28.

Animation Meiosis.

<http://www.sumanasinc.com/webcontent/animations/content/meiosis.html>.

29.

Animation Mendel's Law.

<http://www.sumanasinc.com/webcontent/animations/content/mendelindassort.html>.

30.

Population genetics — University of Leicester.

<http://www2.le.ac.uk/departments/genetics/vgec/schoolscolleges/topics/population-genetics>.

31.

Phylogenetic Trees and Monophyletic Groups | Learn Science at Scitable.

<http://www.nature.com/scitable/topicpage/reading-a-phylogenetic-tree-the-meaning-of-41956>.

32.

Trait Evolution on a Phylogenetic Tree | Learn Science at Scitable.

<http://www.nature.com/scitable/topicpage/trait-evolution-on-a-phylogenetic-tree-relatedness-41936>.

33.

Introduction: Human Evolution - life - 04 September 2006 - New Scientist.

<http://www.newscientist.com/article/dn9990-introduction-human-evolution.html?full=true#.VCAnI7d0yHA>.

34.

Animation Human genome.

<http://www.sumanasinc.com/webcontent/animations/content/humangenome.html>.

35.

Sanger method of DNA sequencing, 3D animation with narration :: DNA Learning Center.

<http://www.dnalc.org/view/15479-Sanger-method-of-DNA-sequencing-3D-animation-with-narration.html>.

36.

'Cycle Sequencing' Biology Animation Library :: DNA Learning Center.

<http://www.dnalc.org/resources/animations/cycseq.html>.

37.

Animation High Throughput Sequencing.

<http://www.sumanasinc.com/webcontent/animations/content/highthroughput2.html>.

38.

The Power of Comparative Genomics. (4AD).

39.

Stoneking, M. & Krause, J. Learning about human population history from ancient and modern genomes. *Nature Reviews Genetics* **12**, 603–614 (2011).

40.

Prüfer, K. et al. The complete genome sequence of a Neanderthal from the Altai Mountains. *Nature* **505**, 43–49 (2013).

41.

Veeramah, K. R. & Hammer, M. F. The impact of whole-genome sequencing on the reconstruction of human population history. *Nature Reviews Genetics* **15**, 149–162 (2014).

42.

Doebley, J., Stec, A. & Hubbard, L. The evolution of apical dominance in maize. *Nature* **386**, 485–488 (1997).

43.

Doebley, J. F., Gaut, B. S. & Smith, B. D. The Molecular Genetics of Crop Domestication. *Cell* **127**, 1309–1321 (2006).

44.

Vollbrecht, E., Springer, P. S., Goh, L., Buckler IV, E. S. & Martienssen, R. Architecture of

floral branch systems in maize and related grasses. *Nature* **436**, 1119–1126 (2005).

45.

Doebley, J., Wang, R.-L., Stec, A., Hey, J. & Lukens, L. The limits of selection during maize domestication. *Nature* **398**, 236–239 (1999).

46.

Wang, H. et al. The origin of the naked grains of maize. *Nature* **436**, 714–719 (2005).

47.

Gillespie, J. H. *Population genetics: a concise guide*. (Johns Hopkins University Press, 2004).

48.

McCormick, T. & Fortey, R. A. The Ordovician Trilobite Carolinites, A Test Case for Microevolution in A Macrofossil Lineage. *Palaeontology* **45**, 229–257 (2002).

49.

Nicholas P. Sille, Margaret E. Collinson, Michal Kucera and Jerry J. Hooker. Morphological Evolution of Stratiotes through the Paleogene in England: An Example of Microevolution in Flowering Plants. *PALAIOS* **21**, 272–288 (2006).

50.

Wake, D. B. & Vredenburg, V. T. Colloquium Paper: Are we in the midst of the sixth mass extinction? A view from the world of amphibians. *Proceedings of the National Academy of Sciences* **105**, 11466–11473 (2008).

51.

Cavalli-Sforza, L. L. & Feldman, M. W. The application of molecular genetic approaches to the study of human evolution. *Nature Genetics* **33**, 266–275 (2003).

52.

Marciniak, S., Klunk, J., Devault, A., Enk, J. & Poinar, H. N. Ancient human genomics: the methodology behind reconstructing evolutionary pathways. *Journal of Human Evolution* **79**, 21–34 (2015).

53.

Hammer, M. F. Human Hybrids. *Scientific American* **308**, 66–71 (2013).

54.

EDU - Evolution, Ecology and Behavior with Stephen C. Stearns.

55.

Origins of Us - Bones.

56.

Origins of Us - Guts.

57.

Origins of Us - Brains.