



## Wider Reading – Science

### **Biology Wider Reading**

#### **Richard Dawkins:**

- The Selfish Gene
- The Blind Watchmaker.
- Unweaving the Rainbow
- Climbing Mount Improbable
- The Ancestor's Tale

#### **Ben Goldacre:**

- Bad Science

#### **Steve Jones:**

- Y: The Descent of Men
- In the Blood: God, Genes and Destiny
- Almost Like a Whale: The 'Origin of Species' Updated
- The Language of the genes

#### **Matt Ridley:**

- Genome: The Autobiography of a Species in 23 Chapters
- The Red Queen: Sex and the Evolution of Human Nature
- The Language of Genes

#### **Francis Crick:**

- Discoverer of the Genetic Code
- Nature Via Nurture: Genes, Experience and What Makes Us Human

#### **James Watson:**

- DNA: The Secret of Life
- The Double Helix: Personal Account of the Discovery of the Structure of DNA

#### **Lewis Thomas:**

- The Lives of a Cell: Notes of a Biology Watcher. The Medusa and the Snail: More
- Notes of a Biology Watcher Barry Gibb: The Rough Guide to the Brain (Rough Guides Reference Titles)

#### **Charles Darwin:**

- The origin of species

#### **Armand Marie Leroi:**

- Mutants: On the Form, Varieties and Errors of the Human Body

#### **David S. Goodsell:**

- The Machinery of Life

#### **Ernst Mayr:**

- This Is Biology: The Science of the Living World

#### **George C. Williams:**

- Plan and Purpose in Nature

#### **Steve Pinker:**

- The Language Instinct

#### **Edward O Wilson:**

- The Diversity of Life

#### **Richard Leaky:**

- The Origin of Humankind

#### **Bill Bryson:**

- A Short History of Nearly Everything

#### **Oliver Sachs:**

- The Man Who Mistook His Wife For A Hat

#### **Daniel Chamovitz:**

- What A Plant Knows

## **Websites**

1. <http://www.ibiblio.org/virtualcell/index.htm> – An interactive cell biology site
2. <http://www.accessexcellence.org/RC/VL/GG> – A web site showing illustrations of many processes of biotechnology
3. <http://www.uq.oz.au/nanoworld> – Visit the world of electron-microscopy
4. <http://www.dnai.org/a/index.html> – Explore the genetic code
5. <http://nobelprize.org> – Details of the history of the best scientific discoveries
6. <http://nature.com> – The site of the scientific journal
7. <http://royalsociety.org> – Podcasts, news and interviews with scientists about recent scientific developments
8. <http://www.nhm.ac.uk> – The London Natural History Museum’s website with lots of interesting educational material
9. <http://www.bmj.com> – The website of the British Medical Journal
10. [http://www.bbc.co.uk/news/science\\_and\\_environment](http://www.bbc.co.uk/news/science_and_environment) - The BBC news page for Science and the Environment

## **Generic Fiction based in Biology**

- **Lois Lowry** The Giver Trilogy
- **Michael Crichton** Jurassic Park
- **Suzanne Collins** The Hunger Games Trilogy

## **Factual Environmental Books**

**Alison Benjamin , Brian McCallum** A World Without Bees

**Cohen, Joel.** How Many People Can the Earth Support?

**Carson, Rachel.** Silent Spring.

**James Lovelock** The Ages of Gaia (1988)  
The Revenge of Gaia (2006)

**Raup, David.** Extinction: Bad Genes or Bad Luck?



## Chemistry Wider Reading

### Books

- **Richard Feynman** The Pleasure of Finding Things Out -
- **Hugh Aldersey-Williams** Periodic Tales -
- **Sam Kean** The Disappearing Spoon -
- **Oliver Sachs** Uncle Tungsten -
- **John Emsley** The Shocking History of Phosphorus: A Biography of the Devil's Element -

### Magazines/Journals

- Scientific American
- New Scientist
- The Mole

### Places of Interest

- Royal Society of Chemistry - Burlington Arcade, Regents Street London
- Science Museum, London
- Museum of the History of Science, Oxford
- Curie Museum, Paris

### Websites

- Periodic Table of Videos by Martyn Poliakoff [www.youtube.com](http://www.youtube.com)
- Royal Society of Chemistry [www.rsc.org.uk](http://www.rsc.org.uk)
- Institution of Chemical Engineers [www.icheme.org](http://www.icheme.org)
- [www.chemguide.co.uk](http://www.chemguide.co.uk)



## Physics Wider Reading

### Books

- **Bill Bryson** - A short History of Nearly Everything -
- **New Scientist** - Why don't penguins' feet freeze?
- **Stephen Hawking and Leonard Mlodinow** -The Grand Design
- **Peter Ackroyd** - Newton
- **Brian Cox and Jeff Forshaw** - The Quantum Universe: Everything that can happen does happen

### Magazines/Journals

- Physics World
- Scientific American
- New Scientist

### Places of Interest-London

- Science Museum
- Imperial war museum
- The Planetarium
- Greenwich observatory
- The space museum (Washington DC)

### Websites

[www.iop.org](http://www.iop.org)

[www.sixtysymbols.com](http://www.sixtysymbols.com)

[www.physicsworld.com](http://www.physicsworld.com)

<http://home.web.cern.ch/topics/large-hadron-collider>