



## Elements to Elephants: Life becoming, diverse

By Dr Matthew J Sawyer

CreateSpace Independent Publishing Platform. Paperback. Condition: New. This item is printed on demand. 338 pages. Dimensions: 7.8in. x 5.1in. x 0.8in. This book is aimed at those who have a curiosity about the origins of life, evolution and interactions within the environment. Suitable for those from GCSE to A-level, degree level and beyond, the book covers three main areas. Firstly, the initial building blocks of cells and their subsequent development are explored. The three main molecules of life DNA, RNA and proteins - are examined along with the importance of energy and its storage. How cells are able to turn genes on and off is shown in detail. Secondly, cells evolved and developed into more complex organisms. Darwin with his finches developed several basic principles which show how organisms have changed in response to different environments. Using HIV and antibiotic resistance as examples, evolution of organisms in our lifetime is demonstrated. The interaction between bacteria with mankind is reviewed including several diseases. The development of antibiotics is reviewed as is the mechanism of antibiotic resistance. The least well-known group of organisms - the archaea are explored in a chapter of their own. Finally, an introduction to ecological theory covering soil, oceans...



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