

Biological Sciences

Lazy Trout 7 July 2014. Based on <http://biology.about.com> and Wikipedia

1. What is Biology?

2. The range of biological sciences is vast – from viruses to elephants, pond weed to sequoia, pharmacology to gene-therapy, physiology to neuroscience etc

What did we think of biology at school? How do schools now give a flavour of the vastness of human endeavour?

3. Have you come across biological science in your every day life or at work?

4. The foundation of biology as it exists today is based on five basic principles. They are the cell theory, gene theory, evolution, homeostasis, and laws of thermodynamics. Does anyone know anything about these?

5. Bio science is in the news constantly is there anything which astounded you either recently or in the past?

6. Are there any particular aspects of biology you might have heard of and would like to know more about?

7. The pace of progress in bio-science is challenging human values like never before giving rise to yet another sub-discipline of biology – bioethics. Cloning, life extension, gene therapy, organ donation, human experimentation, bionics etc. What scientific advance has most challenged your view of life?

8. Progress over the last century has been amazing and driven mainly by engineering, chemistry and technology. Do we think biological sciences will provide the progress of the next century? Any ideas what they maybe?

9. Recently research has started on making milk without cows! If this goal is achieved will we drink it?

10. Sustainability will be a word we will be hearing more and more in the years to come any ideas as to how bio-science might help here?