

The word 'science' is **derived** from the Latin word 'scientia' which means knowledge. Therefore, science is about gaining knowledge either through observing, studying, experience, or practice. Entire knowledge **acquired** through science is about discovering truths, finding facts, uncovering phenomenon **hidden** by the nature. Observations and experimentation, in science, **support** in describing **truth** and realities through systematic **processes** and procedures. For me, science is an intellectual set of **activities** designed to uncover information about anything related to this world in which we live. The information **gathered** is organized through scientific methods to form eloquent patterns. In my opinion the primary objective of science is to gather information and to **distinguish** the order found between facts.

There are **several** ways of broadly categorizing the sciences, e.g. pure science is the systematic study of natural or physical phenomena by observation and experiment, critical **testing** and review, and ordering by general principles, applied science is the search for **practical** uses of scientific knowledge; technology is the application of applied science.

Exact sciences are those which typically **require** precise measurements, such as physics, and to a lesser degree, chemistry. Descriptive sciences are those which are more **oriented** towards classification and description, such as biology and paleontology. The pure natural sciences are typically **divided** into the physical sciences and the biological sciences, both of which can be subdivided. The major physical sciences are physics, astronomy, chemistry, and geology; the **main** biological sciences are botany and zoology.

The sciences aren't **distinct** and independent from each other, but rather, there are interconnections and cross-fertilizations. These interrelationships are often responsible for much of the **progress** today in several specialized **fields** of research, such as molecular biology and genetics. Several interdisciplinary sciences, such as biochemistry, have been **created** as a result. Advances can be the result of research by teams of specialists representing different sciences, both pure and applied.

Questions:

- 1- Give a title to the text.
- 2- Give synonyms to the underlined words.
- 3- Give an example of interconnections between some fields of science.