

O2. CHEMICAL & CELLULAR BASIS OF LIFE.

* Elemental Composition of Living Matter

- 1/ 92 elements naturally occur in the Earth's crust
- 2/ 25 elements essential for human and 17 elements essential for plants.
- 3/ 96% of the environment made up with O, H, C, N.
- 4/ 96.3% of human body consist with C, H, O, N.
- 5/ 3.7% remaining is consist with Ca, P, K, N, Mg, Cl, Na and trace elements.

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6/ Some trace elements to study

B, Co, Cu, Cr, F, Fe, Mn, Mo, Ni, Se, Si, Sn, V, Zn.

Physical & Chemical Properties of Water Important for Life

- 1/ The two main reasons for water being the most important constituent liquid in the nature,
 - i/ Vital chemical constituent of living cell
 - ii/ Provides a biological medium for all organisms.
- 2/ Polarity is an uneven charge distribution within a molecule.

