

# Chapter 2 - Campbell Essential Biology with Physiology 4th Edition (Simon, Dickey, Reece) Questions with Solutions

What is Matter? - ANS: Anything that occupies space and has mass.

What is an Element? - ANS: A substance that cannot be broken down into simpler substances by ordinary chemical means.

What is an Atom? - ANS: the smallest unit of matter unique to a particular element, Greek: Atomos- indivisible

What is a Molecule? - ANS: formed by two or more atoms joined together. Example:  $N + N = N_2$  Two Nitrogen atoms form Nitrogen

What is a compound? - ANS: Contains atoms of two or more elements in a unique proportion.

What percentage of humans are made up of CHON? - ANS: 96%

What percentage of a living matter is made up of the elements SPONCH? - ANS: 99%

What are the 3 Subatomic Particles? - ANS: Protons, Neutrons, and Electrons

Protons are located \_\_\_\_\_ and have a \_\_\_\_\_ charge? - ANS: nucleus, positive

Neutrons are located \_\_\_\_\_ and have a \_\_\_\_\_ charge? - ANS: nucleus, neutral

Electrons are located \_\_\_\_\_ and have a \_\_\_\_\_ charge? - ANS: orbiting around nucleus, negative

# Campbell Essential Biology With Physiology 4th Edition

**Eric Jeffrey Simon**



## **Campbell Essential Biology With Physiology 4th Edition:**

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