

Anatomy and Physiology Homework: Chapters 3-4

CHAPTER 3: Cells and Tissues

1. The smallest unit of living tissue is called a _____. All living organisms are composed of these basic units where all life processes occur. These units are composed of four elements:

_____, _____, _____ and _____.

2. Living matter is _____% water (H₂O)

3. The three parts of living cells are:

Nucleus

Cytoplasm

Plasma membrane

4. Cell transport and reproduction

Passive transport includes _____ and _____.

Active transport uses energy in the form of _____.

Cells arise only from preexisting cells in a two events _____ and _____.
The time between these events is known as _____.
_____ carries the genetic master blueprint for protein synthesis

TISSUES

1. Tissue is composed of groups of _____ with the same or similar function.