



## Levels, Anatomy or Physiology, Fingerprints

### Section 1: Levels of organization

There are 36 terms below. In the spaces provided below, sort each term into its proper level of organization as indicated. Many terms may be unfamiliar. Please use a text or website to determine the meaning of the term before making your selection.

Areolar connective, Adrenal gland, Adrenaline, Astrocyte, Adenosine triphosphate, Autonomic nervous, Biceps femoralis, Bilirubin, Blood, Cartilage, Cardiovascular, Cell membrane, Chondroblast, Collagen, Deoxyribonucleic acid, Digestive, Endoplasmic recticulum, Epidermis, Gall bladder, Golgi body, Humerous, Integument, Leukocyte, Lysosome, Macrophage, Mucosa, Myofibril, Neuron, Nucleus, Pancreas, Phospholipid, Ribosome, Reproductive, Spleen, Squamous epithelium, Urinary

Chemical:

_____	_____
_____	_____
_____	_____

Organelle:

_____	_____
_____	_____
_____	_____

Cells:

_____	_____
_____	_____
_____	_____

Tissues:

_____	_____
_____	_____
_____	_____

Organs:

_____	_____
_____	_____
_____	_____

Organ System: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### Section 2: Anatomy or Physiology

There are 12 terms below. Each represents either a structure or process in the human body. In the spaces provided below, sort each term into its proper category.

Acetabulum, Active transport, Calyx, Cellular respiration, Digestion, Filtration, Fundus, Homeostasis, Pulmonary ventilation, Rugae, Tunica, Villus

Structure: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

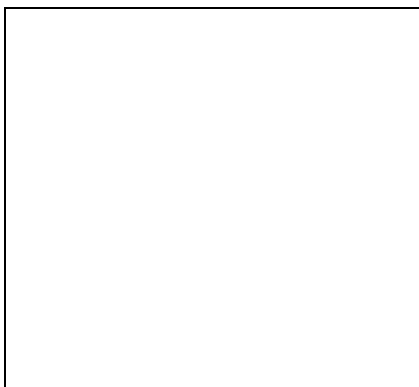
Process: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### Section 3: Fingerprints

For this exercise you will be creating and classifying your own fingerprint. You will need an ink pad or washable marker; a hand lens will also be helpful. Please read the directions for creating a type 4 fingerprint. You may want to practice taking a fingerprint on a piece of scrap paper before placing one in the box below. To analyze the fingerprint, first determine the general pattern type then circle and describe 5 points that show an identifiable minutiae.

Recording Legible fingerprints website:

[http://www.fbi.gov/about-us/cjis/fingerprints\\_biometrics/recording-legible-fingerprints/takingfps](http://www.fbi.gov/about-us/cjis/fingerprints_biometrics/recording-legible-fingerprints/takingfps)



**General Pattern:**  
**5-point description:**

This assignment is from the [Virtual Anatomy and Physiology Classroom](#) on the free science education website [Science Prof Online](#) (ScienceProfOnline.com). Visit the website to find more science education resources such as lecture PowerPoints, practice test questions, review questions, science photos, and assignments such as this.