

Protection of Internal Organs

Adipose Tissue

Cushioning

Areolar Tissue

Question

Will Be on your test!!!!!!!!!!!!!!

Problem

1. Connective tissue plays many different roles in the human body. It is crucial for providing structural support for the body. It provides protection for internal organs. It facilitates the movements of body parts. It functions in the transport of substances throughout the body. It serves a storage function for certain kinds of molecules. It also plays a vital role in enabling the body to defend itself against invading organisms or other foreign substances.

In the space below, write a short essay that first identifies the connective cell types discussed in your text. Next, distinguish these cell types from each other by their physical characteristics and by the type of matrix in which the cells are embedded. Finally, relate the physical characteristics and the type of intercellular matrix to the specific function(s) that each of these cell types performs.

Identify the Connective Cell Types

Functions of Connective Tissue:

protection of internal organs;
movement of body parts;
transport of substances; storage;
and infection denfense

Protection of Internal Organs

Adipose Tissue Cushioning

Areolar Tissue

Movement of Body

Transport of Substances

Storage

Adipose stores excess lipid
Tissue molecules for energy
 production

Infection Defense

Blood Leukocytes...

Cells

Adipose Adipocytes
Tissue

Blood Leukocytes
 (WBC)

Blood Erythrocytes
 (RBC)

Reticular Tissue

Elastic Tissue

