

Structure and Function in Living Systems

Name:

Tissue Organizer

Period:

HOW LIFE IS ORGANIZED—REVIEW

Use Chapter 4, Section 3 of your textbook to help you with this quick review. Define the following terms and number them in the correct order from the smallest level (1) to the largest level (5) of organization.

| level | term | letter | definitions |
|-------|---------------|--------|--|
| | tissues | | a) a group of organs that work together to perform body functions |
| | cells | | b) a group of similar cells that perform a common function |
| | organisms | | c) anything that can carry out life functions by itself |
| | organs | | d) smallest functional and structural unit of life |
| | organ systems | | e) a collection of tissues that carry out a specialized function of the body |

FOCUS IN ON TISSUES

Now, move on to Chapter 15, Section 1. Use Figure 1 to fill out the table below.

| tissue type | location | location choices | function | function choices |
|-------------|----------|--------------------------------|----------|--|
| connective | | a) around organs | | e) contract and relax for movement |
| epithelial | | b) brain, nerves, sense organs | | f) covers and protects tissue underneath |
| muscle | | c) skin | | g) sends electrical signals through the body |
| nervous | | d) in muscles | | h) joins and protects organs |

On the back of this page, make a diagram showing the location of the 4 different tissue types in the human body. Do not copy the diagram of the swimmer in the book!

