

Structure and Function in Living Systems

Name: _____

From Cells to Organisms

Period: _____

Use Chapter 4, Section 3 of your textbook to answer the questions below. The word banks can be used to fill out the sentences below them.

function ground protective specific structure tissue together transport

From Cells to Organisms (p.130)

1. If an organism is multicellular, its cells work _____ .
- _____ 2. What are the four levels of organization for a multicellular organism?
a. cells, tissues, organs, bodies c. cells, tissues, organ systems, bodies
b. cells, organs, organ systems, bodies d. cells, tissues, organs, organ systems

Cells: The First Level of Organization (p.130)

3. If a cell is specialized, that means it does a _____ job (function).
4. The job or activity that a cell does is called its _____ .
5. The way a cell is put together or arranged is called its _____ .
- _____ 6. Look at Figure 2. This shows part of a ...
a. cell b. tissue c. organ d. organ system

7. What do heart muscle cells make the heart do?



- _____ 8. Look at Figure 3. This shows some ...
a. cells b. tissues c. organs d. organ systems

9. What is the function of the guard cells shown in Figure 3?

Tissues: The Second Level of Organization (p.131)

10. A group of cells that work together is called a _____ .
- _____ 11. Look at Figure 4. This shows ...
a. a cell b. some tissue c. an organ d. an organ system
- _____ 12. What are the four kinds of tissues that animals have?
a. transport, protective, ground, nerve c. cardiac, digestive, brain, respiratory
b. nerve, muscle, connective, protective d. cell, tissue, organ, organ system
13. The function of _____ tissue is to move water and food through a plant
14. The function of _____ tissue is to cover and protect a plant
15. _____ tissue is where photosynthesis takes place in a plant

turn this page over for more questions

