Davis

Ch. 1 Study Guide

Vocabulary

1. cell
2. cellular respiration
3. cytoplasm
4. diffusion
5. organ
6. organelles
7. organ system
8. osmosis
9. nucleus
10. tissue

Short Answer

1. What is the difference between passive and active transport?
2. What are four reasons that cells need energy?
3. Identify the levels of organization in an organism:
   1. Cell
   2. \_\_\_\_\_\_\_\_\_\_\_
   3. \_\_\_\_\_\_\_\_\_\_\_
   4. \_\_\_\_\_\_\_\_\_\_\_
   5. Organism
4. What happens in cellular respiration?
5. Label these parts of a plant cell in a diagram: **vacuole, cytoplasm, nucleus, mitochondrion, and chloroplast**
6. What are the main differences between a plant and animal cell? Identify type of cell based on a diagram.
7. How are organs similar to organelles? How are they different?
8. How can an unhealthy digestive system affect the other organ systems in an animal?