

Name: \_\_\_\_\_

Period: \_\_\_\_\_

### 3.2 review: levels of organization

1. **Define** *cell differentiation* in your own words.
2. **Distinguish** between an organ and an organ system.
3. **Explain** the difference between a unicellular organism and a multicellular organism.
4. **Describe** how cell differentiation produces different types of cells in animals.
5. What is the correct sequence of the levels of organization?
  - a. Cell, organ, tissue, organ system, organism
  - b. Organism, organ, organ system, tissue, cell
  - c. Cell, tissue, organ, organ system, organism
  - d. Tissue, organ, organism, organ system, cell
6. **Summarize** the characteristics of unicellular and multicellular organisms in the table below:  
Organism characteristics

Unicellular	Multicellular
7. **Predict** what would happen if a mistake occurred during mitosis of a muscle stem cell. How might this affect muscle tissue?
8. **Compare** the functions of a cell to the functions of an organism, such as getting rid of wastes.