

Name \_\_\_\_\_ Date \_\_\_\_\_ Hour \_\_\_\_\_

## Cells Quiz Study Guide

1. The invention of the microscope made it possible for people to discover \_\_\_\_\_.
2. The first person to observe "tiny rooms" he called cells under a microscope was \_\_\_\_\_.

3. What is a cell?

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4. What is an organism?

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5. All organisms are made of \_\_\_\_\_.

6. What does unicellular mean? Give an example.

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7. What does multicellular mean? Give an example.

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8. Which organism is more common to see with your eyes?  
Multicellular or unicellular? Why?

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9. What is a specialized cell?

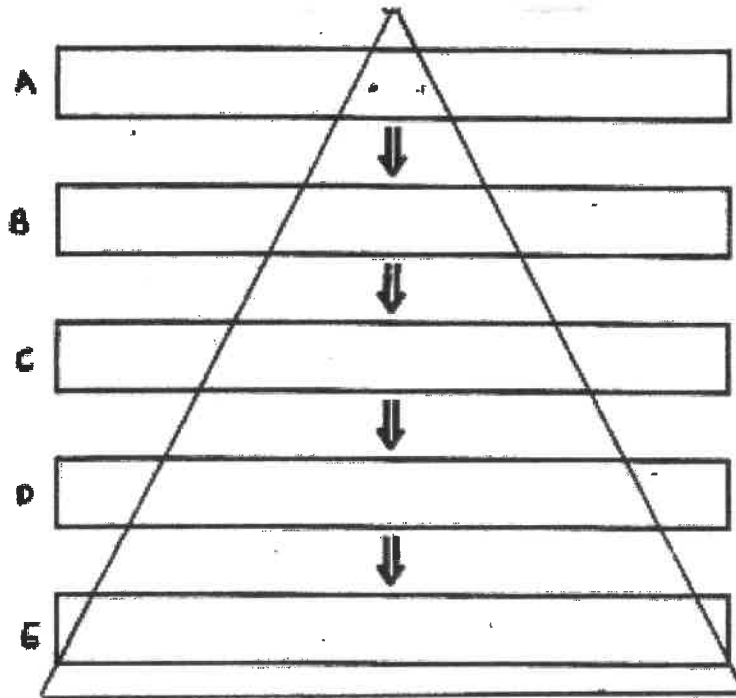
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10. Specialized Cells are found only in \_\_\_\_\_ organisms. Specialized cells look the **same or different** from other specialized cells.

11. Complete the Organization of Living Things pyramid from **smallest to largest**:



12. What is a tissue? Give an example.

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13. What is an organ? Give an example.

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14. What is an organ system? Give an example.

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15. Draw a picture of a **plant cell**. Draw and label the following organelles: nucleus, chloroplasts, cell wall and mitochondria.

16. Draw a picture of an **animal cell**. Draw and label the following organelles: nucleus, cell membrane and mitochondria.

17. Are all of the cells in a multicellular organism the same?

**yes or no**

Why or why not?

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15. Choose a plant or an animal. Explain how the cells work together to help a multicellular organism carry out a function. (*like breathing, digesting food, photosynthesizing, moving an arm etc.*) and the different types of cells needed to carry out that function. You should state what job each cell has.

**Plan:**

Organism: \_\_\_\_\_

Function: \_\_\_\_\_

3 cells needed for the function:

\_\_\_\_\_

Function (job) of each cell:

\_\_\_\_\_

Explain:

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