

Structures of Living Things
Chapter 3 Lesson 1 Study Guide (Updated)

1. cell – the basic unit of life; the size and shape of a cell determines its function
2. tissue – a group of similar cells working together at the same job
3. organ – a group of different tissues working together to do a certain job
4. organ system – different organs working together to do certain jobs
5. organism – any living things that can carry out its life activities on its own
6. microscope – a tool used to see the structure of cells
7. The Cell Theory
 - a. All living organisms are made of cells
 - b. Cells are the basic unit of function¹ and structure² of all living things
 - c. All cells come from previous cells
8. Function of all Living Things¹
 - a. nutrition – raw materials and energy that food gives living organisms to survive
 - b. respiration – energy is released from food; exhaling gives off carbon dioxide
 - c. excretion – the removal of wastes
 - d. response – the reaction of changes in living things surroundings
 - e. movement – animals' response to changes in surroundings; like getting out of the rain
 - f. growth – the increase in size or amount of material contained
 - g. reproduction – the process by which living things produces its own kind
9. Structure of Living Things²: Cells to Tissues to Organs to Organ Systems to Organisms

What determines a cell's function?

What does food give all living things?

What determines living things to increase in size?

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