

Chapter 1 – Characteristics of Living Things

- The chapter one terms are defined for you. You need to either give an example or tell what the term “IS” or “IS NOT”.

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| Specialization: | Studying or working in only part of a subject. |
| Organism: | Any living thing. |
| Characteristic: | Quality or property that defines or classifies something. |
| Cell: | Basic unit of structure and function in living things. |
| Response: | Reaction to a change. |
| Autotroph: | Organism that can make its own food. |
| Heterotroph: | Organism that cannot make its own food. |
| Homeostasis: | Process of keeping conditions inside a body constant, no matter the conditions outside the body. |
| Nutrient: | Chemical substance that is needed to carry out life processes. |
| Ingestion: | Process of taking in food. |
| Digestion: | Process of breaking down food so that it can be used by living things. |
| Cellular Respiration: | Process by which a cell releases energy from food molecules. |
| Byproduct: | Something produced in addition to the main product. |
| Excretion: | Process of getting rid of waste. |
| Transport: | Process of moving nutrients and wastes in a living thing. |
| Stimulus: (Stimuli): | Change that causes a response. |
| Behavior: | Way in which living things respond to stimuli. |
| Migration: | Seasonal movement of animals from one place to another and back. |
| Hibernation: | Inactive state of some animals during winter months. |

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| Spontaneous Generation: | Idea that living things come from nonliving things. |
| Reproduction: | Process by which living things produce new organisms like themselves. |
| Offspring: | New organisms produced by a living thing. |
| Asexual Reproduction: | Reproduction needing only one parent. |
| Sexual Reproduction: | Reproduction needing two parents. |

- Each section title is in the form of a question. To better understand what will be learned in each section there is a need to answer these questions.

1-1 What is life science? _____

1-2 What are living things? _____

1-3 What are the needs of organisms? _____

1-4 How do organisms use energy? _____

1-5 How do organisms respond to change? _____

1-6 Where do organisms come from? _____

1-7 How do organisms make more of their own kind? _____

