

TOPIC: Living and non-Living Things

- Organisms that have life are referred to as living things.
- Non-living things are therefore those without life.
- The characteristics of living things can be summarized in the acronym MR NIGER CAD
- Plants and Animals can be distinguished on the bases of these characteristics.
- Organization of life begins with the simplest form of plant and animal life.
- The four main levels of organization are cell, tissue, organ and system.

Refer to the following textbooks:

- ❖ Modern Biology pgs 9-40
- ❖ Nelson Functional Biology 1 pgs 4-11
- ❖ Essential Biology pgs 3-5 and 24-25

Study the following sub-topics:

- Living and non living things
- Characteristics of living things
- Differences between plants and animals
- Levels of organization
- Complexity of organization
- Advantages and disadvantages of complexity/advancement of living organism

Now answer the following questions;

- 1 a. Make a list of twenty (**20**) living things and ten (**10**) non living things in your surroundings.
- b. i. State **five** common characteristics of the living things in your list.
ii. Explain briefly the **four** levels of organization in living things.
- c. i. Name any **two** living organisms at the simplest level.
ii. Name any **two** tissues in plant and animal and state one function each.
iii. State **three** advantages and **three** disadvantages of a named complex organism

Note: Answers should be sent in **MS word format to the school email** while all drawings should be submitted to the school administrative office directly. However, where students wish to submit all study pack answers in written forms, it will be also accepted.