

Grade 10 Biology

Terms 1, 2 and 3 - notes for 10 topics

IN EVERY TOPIC

- What you will learn and the key words.
- Short, clear notes with worked examples.
- Questions to try and a topic test, with the answers at the back.

TOPICS IN THESE NOTES

Topic	Name	Term
1.1	Introduction to Biology	1
1.2	Scientific investigations in Biology	1
1.3	Cell structure and Specialization	1
1.4	Chemicals of life	1
2.1	Anatomy and Physiology of Plants: Nutrition	2
2.2	Anatomy and Physiology of Plants: Transport	2
2.3	Anatomy and Physiology of Plants: Gaseous exchange and Respiration	2
3.1	Anatomy and Physiology of Animals: Nutrition	3
3.2	Anatomy and Physiology of Animals: Transport	3
3.3	Anatomy and Physiology of Animals: Gaseous exchange and Respiration	3

A TASTE OF THE FIRST TOPIC

Biology and the characteristics of living things

Biology is the scientific study of living things (organisms): how they are built, how they work, how they relate to each other and to their environment.

All living things show seven characteristics: nutrition (taking in food), respiration (releasing energy), excretion (removing wastes made in the body), movement, growth, reproduction and sensitivity (responding to changes in the surroundings). A helpful way to remember them is "MRS NERG".