BIO 111 - General Biology I

Original BarTech CBT Study Guide

BarTech CBT Study Resources Library

Purpose

This original guide is a concise revision framework for university lectures, tests and C
Use this guide with your lecturer notes, official course outline and approved textbooks.

Core Topics

1. Biology as the study of life and the characteristics shared by living organisms.
2. Cell structure and function: membranes, cytoplasm, nucleus, organelles and cellular t
3. Biological molecules: carbohydrates, lipids, proteins and nucleic acids.
4. Cell division, basic genetics and the relationship between DNA, genes and traits.
5. Levels of biological organization, tissues, organs and organ systems.
6. Ecological relationships, populations, communities, ecosystems and energy flow.

Revision Checklist

1. Define key terms and explain the main ideas in your own words.
2. Review examples, diagrams, processes and calculations where applicable.
3. Practise questions without checking the answer before you finish.
4. Use the BarTech CBT course page for self-check and CBT practice.