

# Multimedia Biology I



Welcome to Multimedia Biology! This multimedia Biology program is designed to accompany any high school or first year college course in basic Biology. Due to the format, it will be impossible to cover every aspect of Biology; however, this program will help you understand the main concepts in Biology including:

**Biology - The Science of Life**  
**The Chemicals of Life**  
**The Cell**  
**The Plasma Membrane**  
**Photosynthesis**  
**Cellular Respiration**  
**Mitosis**  
**Meiosis**

**Classical Genetics**  
**Molecular Genetics - DNA**  
**The Diversity of Life**  
**Plants**  
**Invertebrates**  
**Vertebrates**

Each of these subjects will be dealt with in individual lessons and can be referred to at any time. A basic lesson contains the following format.

## **New Terms**

New terms will be presented that will be used in the lesson along with their definition. These new terms will also include roots like "bio" - meaning "life" and "logy" - which means "the study of" to help us figure out what larger words may mean - like "biology" - the study of life. To help you learn these concepts, practice exercises will be presented to you in matching and multiple choice questions. The purpose of the terms is to help you understand the concepts that will be taught in the following section.

## **Study Guide**

Presents the basic concept for the given lesson and will include the New Terms as applied to the science of Biology. Where possible, this section will also include either a video or an animated presentation to help explain the concept better. You will always be able to refer to the Study Guide, there is also an option that lets you print it out . After the presentation of the concepts you will have the chance to review the concepts using matching and multiple choice questions.

Please enjoy this program we have developed for you. Our world is a very interesting place, and our hope is that by learning more about it, it will mean more to you!