

Guía de Estudio para el Examen Bimestral de Biología

- ❖ Common characteristics of living things (pg. 1-5)
 - Unicellular vs. Multicellula
 - Specialized cell
 - Life cycle (birth, growth, reproduction, death)
 - Irritability
 - Adaptaion
 - Metabolism
 - Homeostasis
 - Respiration
- ❖ Classification (pg. 8-11)
 - Why do we classify things? How can we classify things?
 - Carl Linneus
 - Binomial nomenclature
 - Scientific name
 - Taxonomic levels
 - Kingdoms: Plant, Animal, Fungi, Monera, Protista
 - Classification of animal and plant kingdoms
- ❖ Biodiversity
 - Biotic and abiotic factors
 - Loss of biodiversity
 - Deforestation
 - Habitat fragmentation
 - Introduction of exotic species
 - Population increase
- ❖ Ecosystems
 - Water Cycle
 - Carbon Cycle
 - Food chains
 - 10% Rule
 - Autotrophs and heterotrophs
- ❖ Sustainable development (pg. 25)
 - Biosphere reserve
 - National Parks
- ❖ Native knowledge
 - Differences between western industrialized cultures and Native Americans. (Pages 30,31)
- ❖ Evolution
 - Charles Darwin

- Jean Baptiste Lamarck
- Limiting factors (last paragraph page 37)
- Fossils
- ❖ Adaptation and Natural Selection
 - Examples of adaptations on page 40, 41.
 - Types of adaptations
 - Behavioral
 - Physiological
 - Morphological
- ❖ Science and technology
 - Definitions Pg. 47
 - Examples (notes)
- ❖ Microscope and the Cell
 - Microscope parts and function (pg. 53)
 - Discovery of cells
 - Cell theory
 - Types of Cells