

1. What is Biology?

- Bio = life; Logos = study of



<https://www.pinterest.com/nextukbio/5Zo8BkaWk/>

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- Biology involves the study of:
 - how life **started**
 - life **processes**
 - **anatomy** of living things
 - **relationships** between living things & their environment



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• Branches of Biology

- "Biology" is a general science that that can be subdivided into many areas or **fields**
- = there are many different types of biology & biologists!



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MICROBIOLOGY



- Microbiology is the study of **microscopic life**.

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ZOOLOGY

- Zoology is the study of **animals**.



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BOTANY

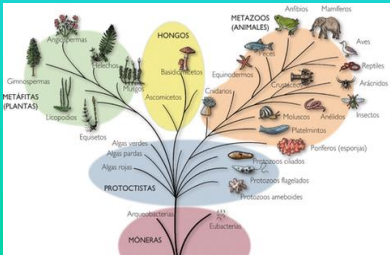


- Botany is the study of **plants**

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TAXONOMY

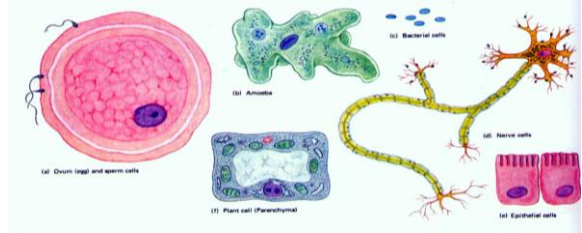
- Taxonomy is the study of the **classification** of living organisms.



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CYTOLOGY

- Cytology is the study of **cells**.



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GENETICS

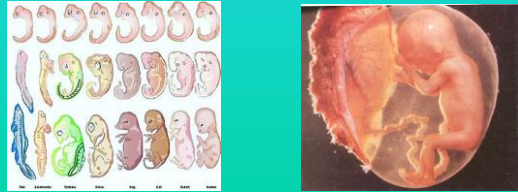
- Genetics is the study of heredity and the **passing of traits** to offspring from their parents.



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EMBRYOLOGY

- Embryology studies the **developmental patterns** of organisms from zygote to birth.



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MORPHOLOGY

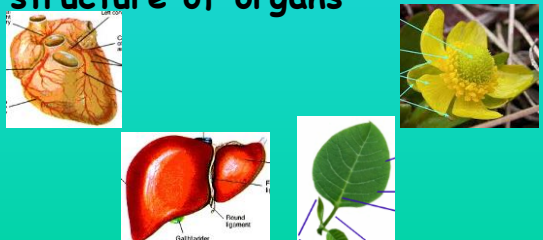
- Morphology is the study of the **appearance** of living things (form and structure).



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ANATOMY

- Anatomy is the study of the **structure of organs**



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PHYSIOLOGY



- Physiology is the study of the **functions** that occur within organisms & their parts.

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- **Biology is one of the fastest advancing sciences**
- The science of Biology arose from:
 - man's **curiosity** about himself & the living things around him
 - man's **need** to survive & **improve** his living conditions on Earth



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