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Physiology

- **Define:** The study of how living organisms function
- Structure & function are important to understand function
- Why study: Curiosity. Better understand how humans function under normal conditions. Thus, modifications of pathological states back to a 'normal' state might be possible.

- Many of the physiological process are described by chemical and physical properties
- It is important to integrate these concepts with biology.

- The physiology of an animal is well suited to the environment in which it has evolved.

This is explained by the process of **ADAPTATION**- gradual change over many generations.

- **Acclimatization** is a change of an individual over its lifetime of biochemical or anatomical alterations
- **Acclimation** is like acclimatization but induced by experimentation.

- Homeostasis- The tendency of an organism to regulate and maintain relative internal stability.
- Claude Bernard coined this term 1800's


