

PHYSIOLOGY



Lec: 1

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Physiology



teaches us normality, so later we can distinguish abnormalities

Homeostasis

is the maintenance of ICE ICEE that keeps the [existing] range of compositions in the body in a steady state condition

Homeostasis \neq equilibrium



We need homeostasis NOT equilibrium

dysfunction of homeostatic mechanisms \rightarrow disease or death

effectiveness of homeostatic mechanisms vary in a lifetime

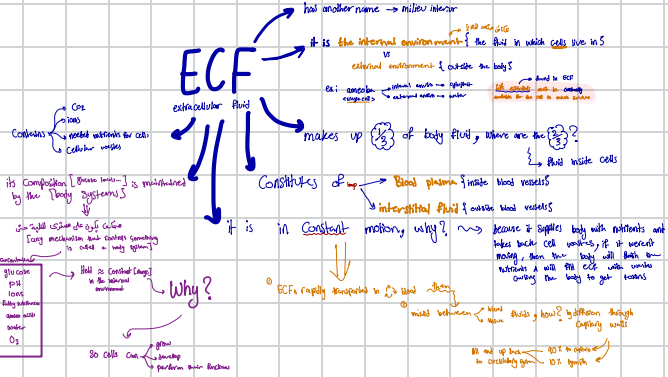
ex: young people do not feel the cold the way older people do

Pathophysiology: the study of how physiological processes are altered in disease or injury

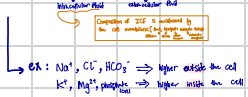
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Lecture 1

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Note: Concentration of substances differ NOT in the cell & outside cell



Why? \rightarrow there is NO equilibrium between the inside of the cell and outside, due to the cell membrane!