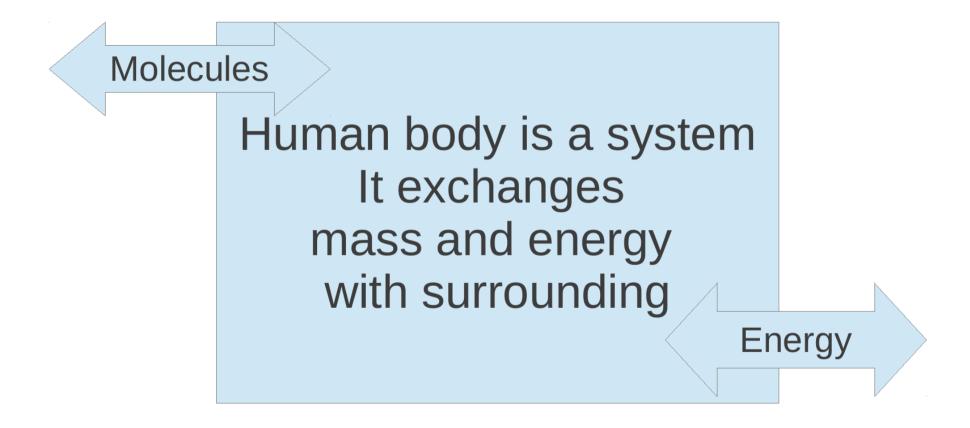
Body as a system (Part-1)

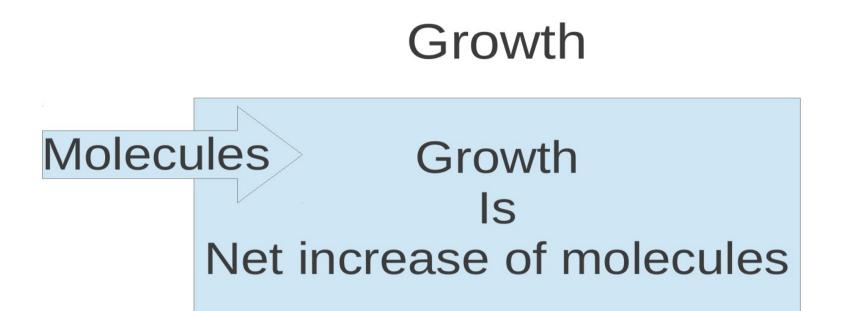
Dr S M Patel

What is a system?

Body is a system



When does the system mass increases?



Embryo, Growing Child, Body Building, recovery from illness

When does the system mass decreases?

Degeneration

Degeneration Molecules Is Net loss of molecules



When does the system energy increases?

Photons are used by human body

Quantitatively Not important for human body

Energy

Synthesis of Vitamin D Retina absorbing light **Plant uses energy to form Glucose**

When does the system energy decreases?

Body makes net energy output

Heat energy Kinetic energy



Heat

energy output we can not do



Electric fish

Firefly

