

Biology



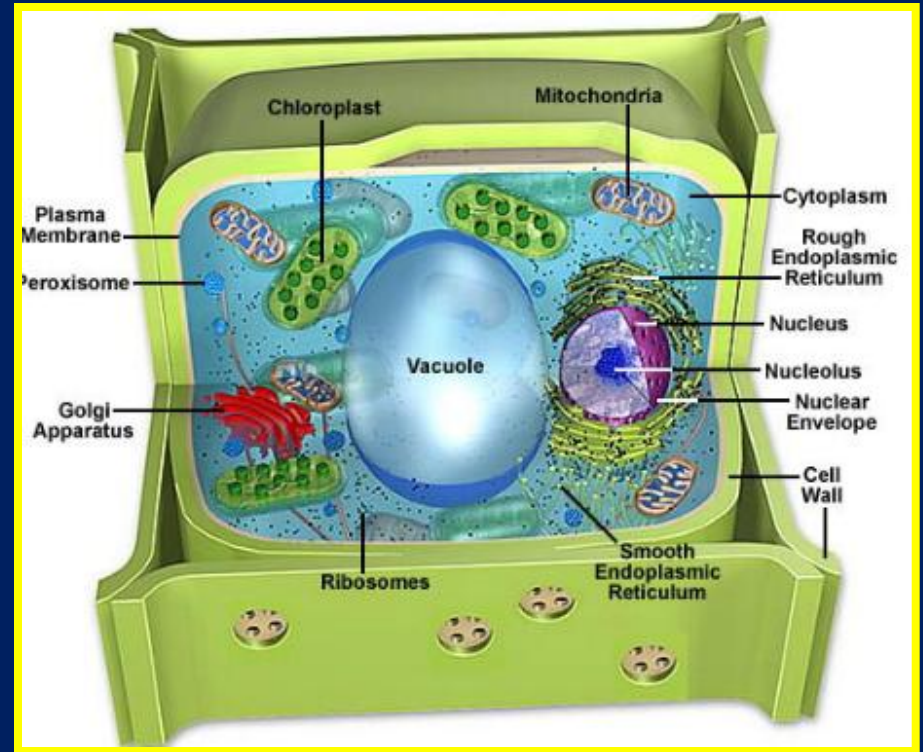
The Study of Life

So what exactly is life?



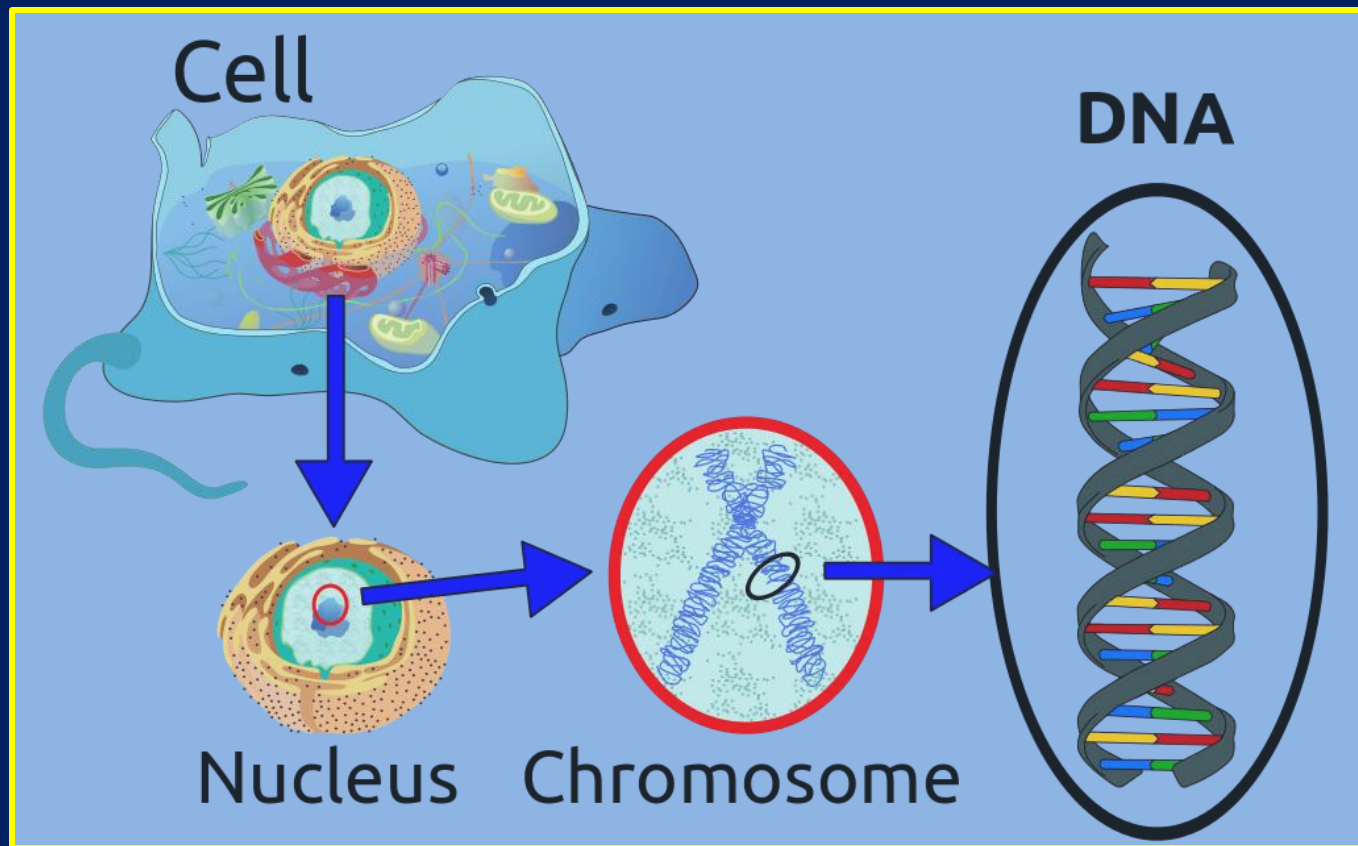
What characteristics do all living things share?

Living things are composed of cells



Cells are the basic unit of all life

Living things are based on a universal genetic code



Living things grow and develop



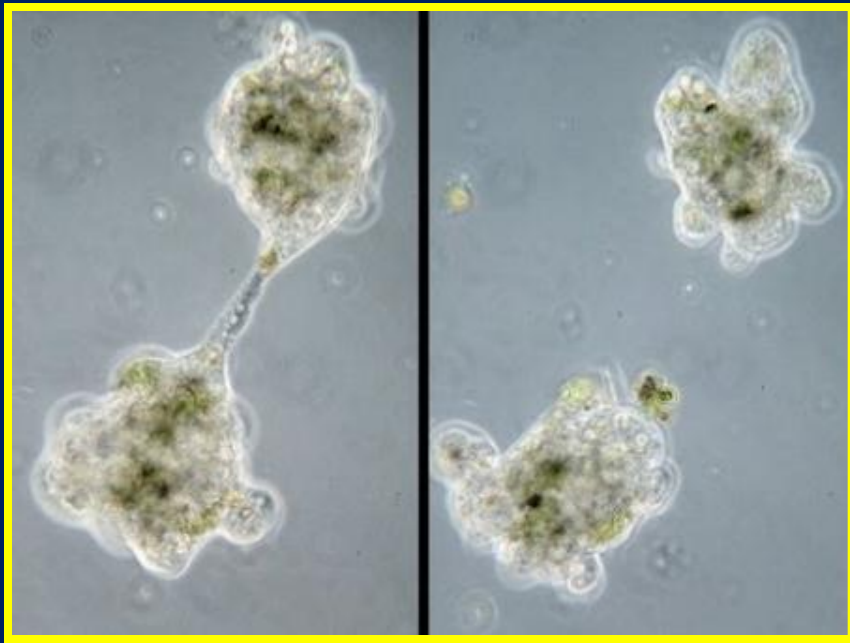
Cells differentiate, taking on different functions (development)

Living things respond to their environment



A stimulus or stimuli is anything that brings about a response

Living things reproduce



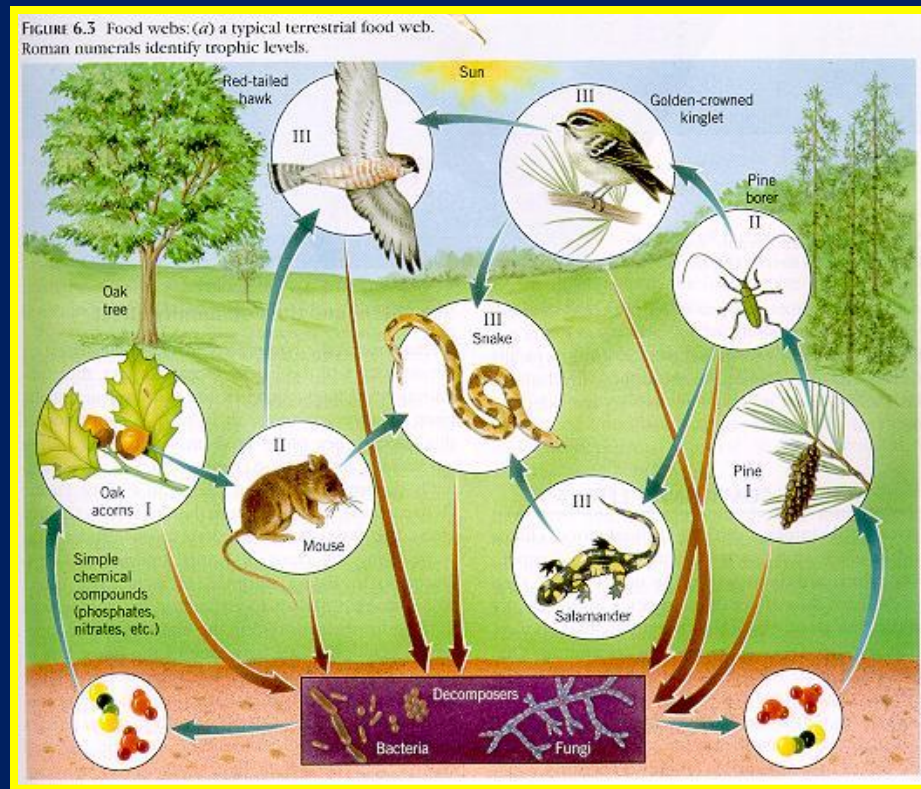
Asexual Reproduction
One Parent



Sexual Reproduction
Two Parents

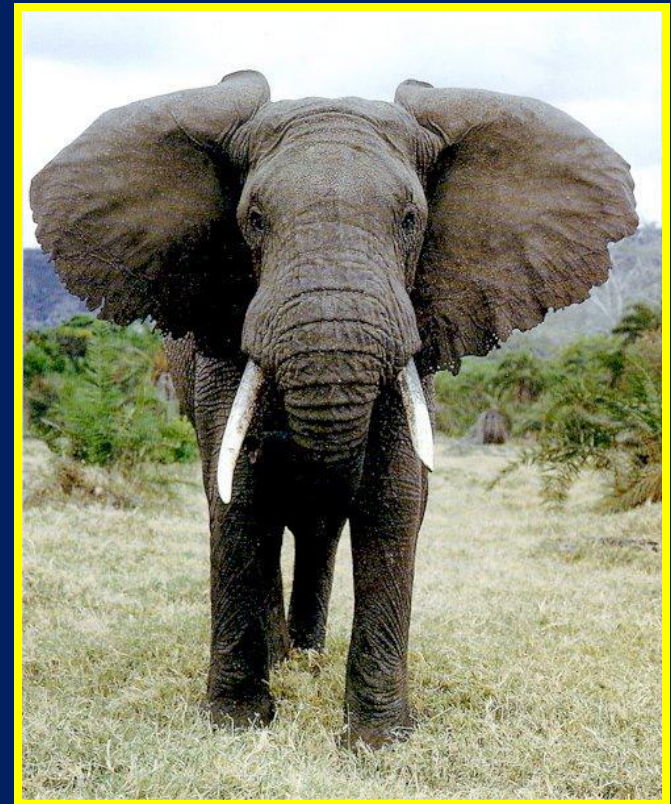
Not essential to the organism, only to the species

Living things obtain and use material and energy



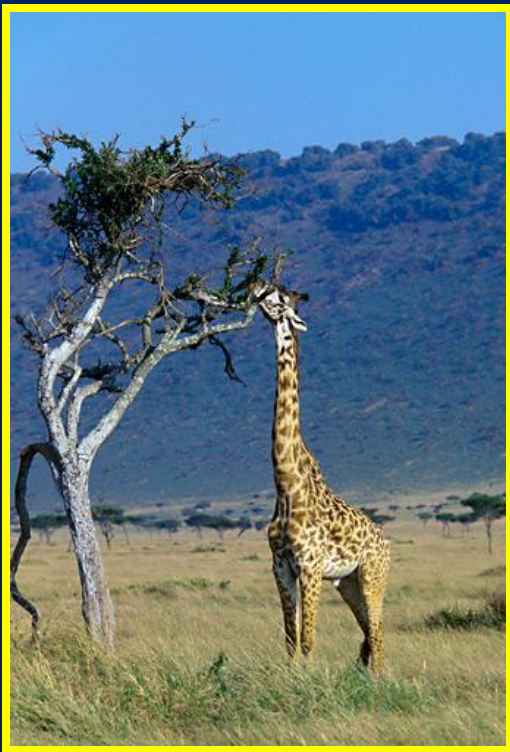
Metabolism

Living things maintain a stable internal environment



Homeostasis

Taken as a group, living things
are capable of developing
adaptations and evolving



Populations change, over
time, not the individual

Adaptation

Any individual
that exhibits
all the
characteristics
of life is called
an organism

