

Biology is a natural science concerned with the study of life and living organisms , including their structure , function , growth , origin , evolution , distribution , and taxonomy . [1] Biology is a vast subject containing many subdivisions , topics , and disciplines . Among the most important topics are five unifying principles that can be said to be the fundamental axioms of modern biology: [2] 1 . Cells are the basic unit of life 2 . New species and inherited traits are the product of evolution 3 . Genes are the basic unit of heredity 4 . An organism will regulate its internal environment to maintain a stable and constant condition 5 . Living organisms consume and transform energy . Subdisciplines of biology are recognized on the basis of the scale at which organisms are studied and the methods used to study them: biochemistry examines the rudimentary chemistry of life; molecular biology studies the complex interactions of systems of biological molecules; cellular biology examines the basic building block of all life , the cell; physiology examines the physical and chemical functions of the tissues , organs , and organ systems of an organism; and ecology examines how various organisms interrelate with their environment .

bIOLAJE iz æ nœhrœl sIins konsurnd wiŋ tɪl stæde ov lɪf
œnd liveŋ œrganizimz , inklœdeŋ tɪl sʒrækœl , flœkœtin,
grœtɪ , oræjin , evæloœtin , disʒræbyœtin , œnd tœxonæme .
bIOLAJE iz æ v∆st sæbjekt kæntœneŋ mene sæbdiviŋtinz ,
topiks , œnd disæplinz . æmlæŋ tɪl mœst impœrtint topiks
∆ fɪv yœnæfɪeŋ prinsæpœlz tœt kœn be sed tœ be tɪl
fændæmentœl œximz ov modin bIOLAJE . sœlz ∆ tɪl bœsɪk
yœnit ov lɪf . nyœ spesez œnd inherætid œrœœs ∆ tɪl
prodækt ov evæloœtin . jenz ∆ tɪl bœsɪk yœnit ov
hiredite . œn œrganizim wil regyœlœt iæs inturnœl
invɪræmint tœ mœntœn æ sdœbœl œnd konstint
kændœtin . liveŋ œrganizimz konsyœm œnd œronzœrm
enæje . sæbdisæplinz ov bIOLAJE ∆ rekækɪgnɪzd œn tɪl

bæsis ov tla skæil ot wih arganizimz Δ sdæd ond tla
metliss yozd t● stæde tlem: biökemisjre ikzominz tla
rodamentre kemisjre ov lif; molekyl bïolaje stæde
tla kompleks inturkshinz ov sistimz ov biölojakköl
molekyölz; solyöl bïolaje ikzominz tla bæsik bildeg
blok ov æl lif, tla sol; fizeolije ikzominz tla fizakköl
ond kemakköl fægshinz ov tla tishoz, arginz , ond argin
sistimz ov on arganizim; ond ekolaje ikzominz hoö
vereis arganizimz inturilæt wiþ tæl inviræmint.