

Biology: made up of 2 roots

"bios" - life                      "-logy" - study of

biology is the study of life

so what does it mean to be alive?

characteristics of life

1-living things are based on same genetic code

2-living things grow & develop

growth-addition of cells

development-involves specialization of cells

3-living things respond to environment (react)

4-living things are made up of cells

unicellular & multicellular life forms

5-living things reproduce

sexual reproduction: 2 parents, variety

asexual reprod: 1 parent, clone

6-living things maintain homeostasis

able to keep a stable internal environment  
regardless of external conditions

7-living things need and use E

8-living things, as populations, evolve  
change over time