

Lecture 1- study questions

Study of Biology, Characteristics of Life

1. Define biology.
2. What is life? List nine characteristics of living organism
3. Name 5 groups of organisms.
4. Living things share common _____.
5. What is the basic unit of life that makes up all organisms?
6. To survive, populations of organisms must be able to _____ offspring.
7. Living things _____ to their environment.
8. All _____ are made of cells.
9. Cells are complex and highly _____.
10. Approximately how long ago did life arise on earth?
11. First organisms (living things) when life began were ----- and -----.
12. Organisms change or _____ over long periods of time.
13. The _____ is the basis unit of life and makes up all _____.
14. Organisms maintain stable internal conditions called _____.
15. Name 3 things that organisms must keep stable or balanced.
16. Name 3 things that organisms need from their environment.
17. The sum of all the chemical processes in organisms is called _____.
18. Organisms respond to _____ from their environment such as light, _____, heat, and touch.
19. Define metabolism.
20. All metabolic processes require _____.
21. What is the ultimate energy for all life on earth?
22. What metabolic process uses sunlight for energy?
23. Name several environmental factors that organisms respond to.
24. Define homeostasis.
25. Give 3 examples of internal conditions in which organisms must maintain stability.
26. The area where all living things exist is called -----