Name	Date	Period	Score

Characteristics of Life

1.	The scientific term for a living thing is a(n)	
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- 2. All living things are ______.
- 3. What is the simplest level at which life may exist?
- 4. Are all cells alike?
- 5. All cells perform various jobs or ______
- 6. What surrounds a cell and separates it from its environment?
- 7. What is the difference between unicellular and multicellular organisms?
- 8. Give an example of a multicellular organism and an example of a unicellular organism.
- 9. Multicellular organisms can be organized into what other levels?
- 10. Circle which of the following would be made of cells. Place a box around the ones that only show cell walls.

Cork

Sponge

Wood

Plastic

Tree

11. Examine these 2 organisms. Which one is unicellular and which is multicellular (label each)?



POND ORGANISM (Under a microscope)



CRAB

12. Define reproduction.

13. Must EVERY member of a particular species (one kind of organism) be able to reproduce in order for the species to survive? Explain why or why not.

- 14. What would happen if all individuals in a species were sterile (not able to have babies)?
- 15. Reproduction is NOT essential for the survival of an individual ______ but is essential for the survival of the _____.
- 16. Name and define the two basic kinds of reproduction.
- 17. Identify which organisms are reproducing sexually and which are reproducing asexually.

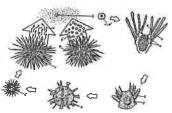
BACTERIA



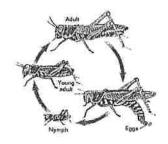
HYDRA



SEA URCHIN



- 18. How do all organisms begin life?
- 19. What is the difference between growth and development?
- 20. Do unicellular organisms GROW? Do unicellular organisms DEVELOP?
- 21. Do multicellular organisms GROW? Do multicellular organisms DEVELOP?
- 22. Identify which graphic BEST shows growth and which BEST shows development.





23. How is the growth of a living thing different from the growth of a nonliving thing?
24. Define energy.
25. Why is energy important to a living organism?
26. What is the difference between an autotroph and a heterotroph?
27. What is the name of the process that plants use to make their own food using energy from the sun?
28. Identify each of the organisms below as either a heterotroph or an autotroph. pacific viperfish
29. What are some environmental factors (stimuli) that organisms respond to?
30. Organisms must also respond to factors in order to stay healthy & survive.
31. What are two internal factors that organisms respond to?
32. Give <u>two</u> examples from the reading of how living things respond to changes in their environment.
33. If light is applied to a human eye, how does it respond?

34. Describe homeostasis.

Identify the feature of life that is illustrated by each of the following statements. NOTE: You may use terms other than the characteristics of life!

35	тТ	hat boy shot up five inches in only one year."
36		Our cat had a litter of kittens yesterday."
37	"E	at a good breakfast, and you will be able to run longer."
38	Τ	hat owl's night vision allows it to see the movement of mice on even the darkest night."
39	110	Your body normally maintains a temperature of 98.6° F."
40		A giraffe uses its long neck to eat from the high branches of a tree.
a) b) c) d)	the recess bell r your mouth wate a sudden drop in a flu virus enter	
42. Determin	ne if each of the f	ollowing describes a living or nonliving thing.
a) b) c) d) e)	rust eating a hol an apple on a tre bacteria lightning a dinosaur fossil	e in a metal bucket
f)	a wasp	