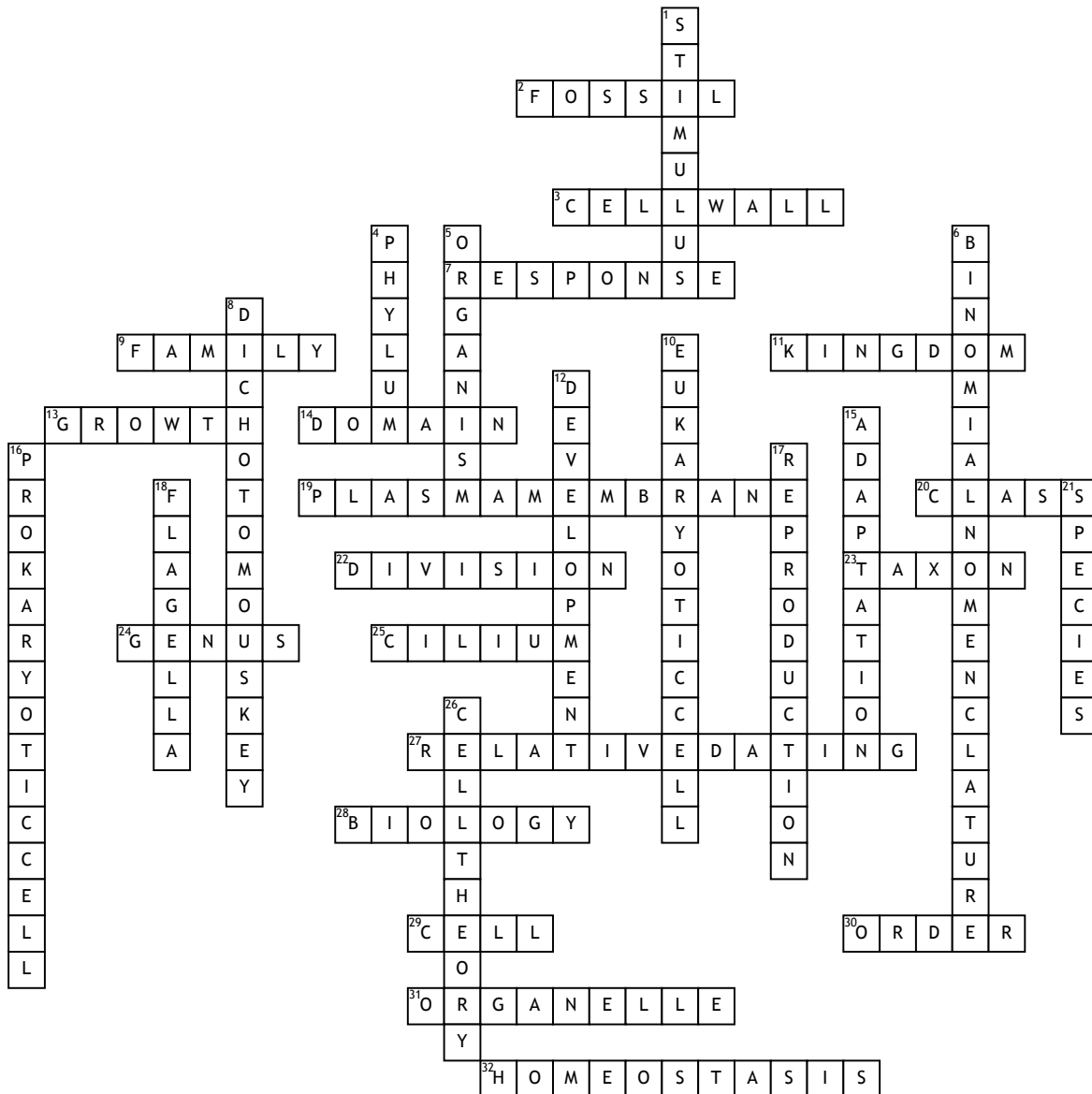


Name: _____

Date: _____

Biology: Unit 1



Across

2. the remains or impression of a prehistoric organism preserved in petrified form or as a mold or cast in rock
3. The outermost layer of cells in plants, bacteria, fungi, and many algae that gives shape to the cell and protects it from infection
7. any behavior of a living organism that results from an external or internal stimulus
9. one of the eight major taxonomic ranks; it is classified between order and genus
11. taxonomic category of the highest rank, grouping together all forms of life having certain fundamental characteristics in common
13. the development of an organism
14. The highest taxonomic rank of organisms in which there are three groupings
19. a microscopic membrane of lipids and proteins that forms the external boundary of the cytoplasm of a cell or encloses a vacuole, and that regulates the passage of molecules in and out of the cytoplasm
20. a taxonomic group comprised of organisms that share a common attribute
22. a rank that if treated as a division of a genus or subgenus is deemed to be of subgeneric rank for the purposes of nomenclature
23. a group of one or more populations of an organism or organisms seen by taxonomists to form a unit

24. a principal taxonomic category that ranks above species and below family, and is denoted by a capitalized Latin name
 25. a short, microscopic, hairlike vibrating structure
 27. the science of determining the relative order of past events, without necessarily determining their absolute age
 28. a natural science concerned with the study of life and living organisms, including their structure, function, growth, evolution, distribution, identification and taxonomy
 29. the smallest structural and functional unit of an organism, typically microscopic and consisting of cytoplasm and a nucleus enclosed in a membrane
 30. a taxonomic rank used in the classification of organisms and recognized by the nomenclature codes
 31. any of a number of organized or specialized structures within a living cell
 32. the tendency toward a relatively stable equilibrium between interdependent elements, especially as maintained by physiological processes
- Down**
1. a detectable change in the internal or external environment
 4. a principal taxonomic category that ranks above class and below kingdom
 5. an individual animal, plant, or single-celled life form
 6. the system of nomenclature in which two terms are used to denote a species of living organism

8. a tool that allows the user to determine the identity of items in the natural world
10. An organism whose cells contain a nucleus surrounded by a membrane and whose DNA is bound together by proteins into chromosomes
12. a specified state of growth or advancement
15. also called an adaptive trait, is a trait with a current functional role in the life of an organism that is maintained and evolved by means of natural selection
16. lack a distinct cell nucleus and their DNA is not organized into chromosomes
17. The sexual or asexual process by which organisms generate new individuals of the same kind
18. a slender threadlike structure, especially a microscopic fibrillar appendage that enables many to swim
21. often defined as the largest group of organisms in which two individuals are capable of reproducing fertile offspring, typically using sexual reproduction
26. All known living things are made up of one or more cells. All living cells arise from pre-existing cells by division. The cell is the fundamental unit of structure and function in all living organisms