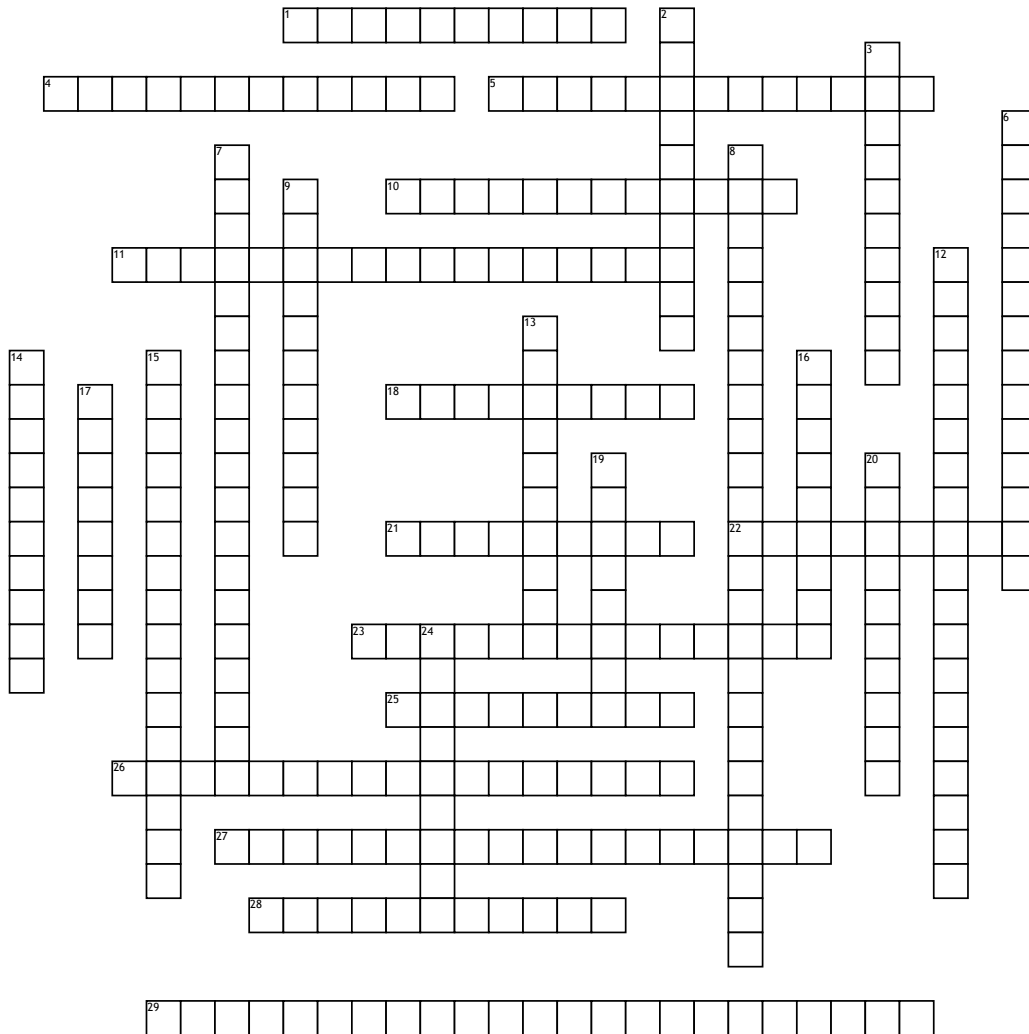


# Biology Crossword Puzzle



## Across

1. A suggested, testable answer to a well-defined scientific question or a possible, testable explanation for observations  
 4. Organisms that depend on the other organisms for their food  
 5. A description of a natural relationship or principle, often expressed in Mathematical terms, and supported by a significant amount of evidence  
 10. The group in an experiment that experiences no manipulation (does not contain the independent variable)  
 11. The group in an experiment that is manipulated (contains the independent variable)  
 18. Logical interpretation based on prior knowledge, experience, or evidence  
 21. The sum total of all processes in an organism that use energy and simple chemical building blocks to produce large chemicals and structures necessary for life  
 22. Organism that lacks an internal mechanism for regulating body heat

23. The process by which green plants and some other organisms use the energy of sunlight and simple chemicals to produce their own food  
 25. Organism that is internally warmed by a heat-generating metabolic process  
 26. The variable responding to the manipulated variable  
 27. Process by which two parents produce genetically different offspring (offspring receives a combination of DNA from two parents)  
 28. The maintenance of stable internal conditions  
 29. Observations that are not easily counted or measured, such as color

## Down

2. Organisms that are able to make their own food  
 3. The sum total of all processes in an organism that break down chemicals to produce energy and simple chemical building blocks  
 6. Living creatures that are too small to see with the naked eye  
 7. The variable manipulated by the experimenter  
 8. Observations involving numbers, such as counting or measuring

9. The idea that long ago, very simple life forms spontaneously appeared through chemical reactions  
 12. Process by which a single organism produces genetically identical offspring (offspring receives all DNA from one parent)  
 13. Organisms that eat only organisms other than plants  
 14. Organisms that eat only plants  
 15. An explanation of some part of the natural world that has been thoroughly tested and is supported by a significant amount of evidence from observations and experiments  
 16. Special structures that allow living organisms to sense the conditions of their internal or external environment  
 17. A factor that changes in an experiment  
 19. The collected body of data from experiments and observations  
 20. The sum total of all processes in an organism that convert energy and matter from outside sources and use that energy and matter to sustain the organism's life functions  
 24. Organisms that eat both plants and other organisms

## Word Bank

Catabolism	Hypothesis	Sexual reproduction	Microorganisms	Dependent variable
Endotherm	Evidence	Experimental group	Photosynthesis	Abiogenesis
Metabolism	Anabolism	Autotrophs	Independent variable	Qualitative Observations
Control group	Carnivores	Heterotrophs	Herbivores	Homeostasis
Ectotherm	Variable	Quantitative Observations	Receptors	Omnivores
Asexual reproduction	Scientific Law	Inference	Scientific Theory	