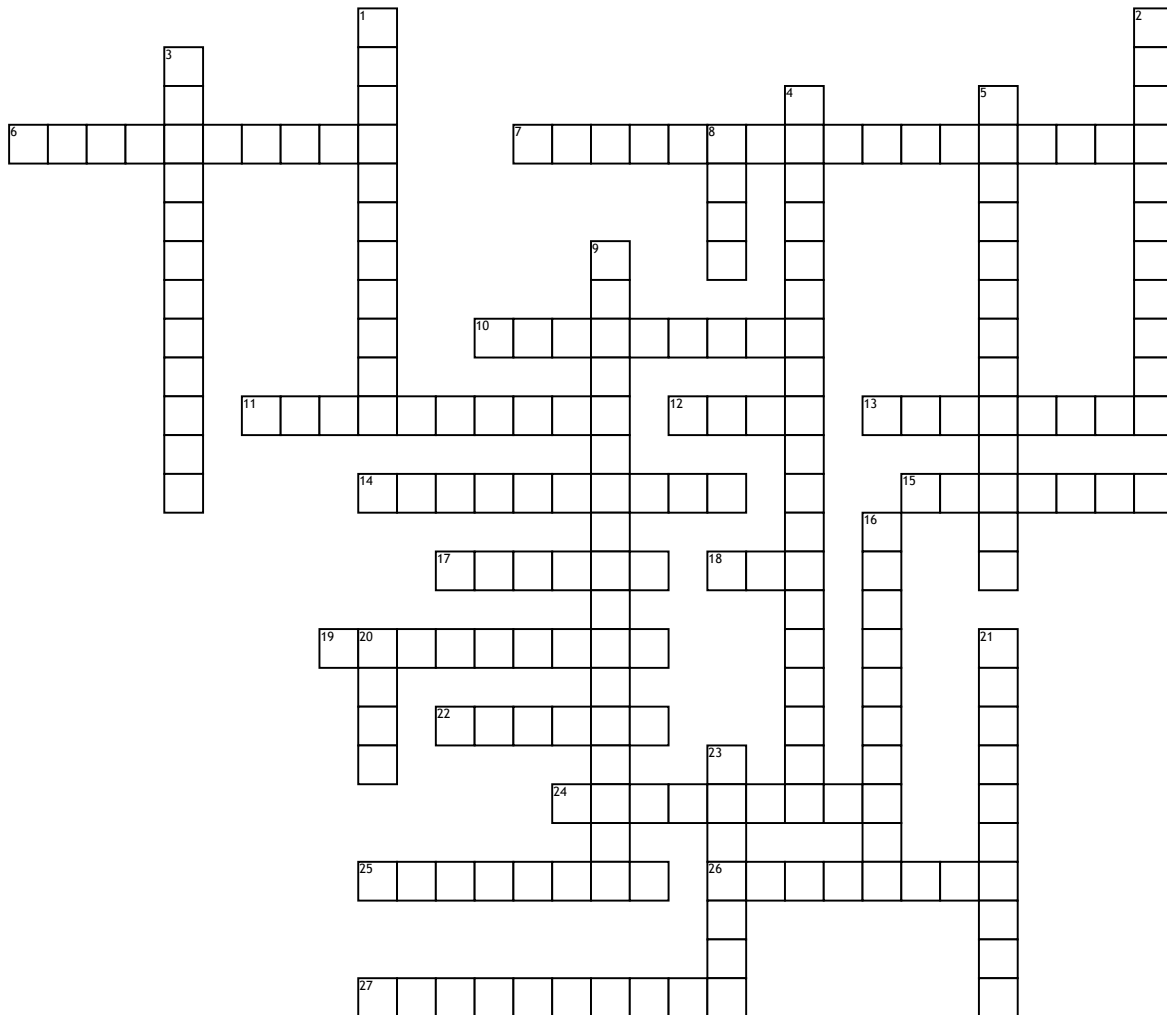


Chapter 1: Biology in the 21st Century



Across

6. tool that provides an enlarged image of an object
 7. Experimental data collected through observation and measurement
 10. change in a species over time
 11. organisms whose genome has been altered to contain one or more genes from another organism or species
 12. specific region of DNA that codes for a particular protein
 13. study and comparison of genomes within a single species or among different species
 14. all chemical processes that synthesize or break down materials within an organism
 15. scientific study of all forms of life
 17. proposed explanation for a wide variety of observations and experimental results

18. molecule that stores genetic information in all organisms
 19. collection of organisms and nonliving things
 22. changing, organized group of related parts that interact to form a whole
 24. all organisms and the part of Earth where they exist
 25. any individual living thing
 26. condition that is controlled so that it does not change during an experiment
 27. proposed explanation or answer to a scientific question

Down

1. using the senses to study the world; using tools to collect measurements; examining previous research result
 2. regulation and maintenance of constant internal conditions in an organism
 3. Variety of life within and area

4. condition or factor that is manipulated by a scientist during an experiment
 5. use and application of living things and biological processes
 8. observations and measurements recorded during an experiment
 9. study of DNA structure and function on the molecular level
 16. process that tests a hypothesis by collecting information under controlled conditions
 20. basic unit of life
 21. inherited trait that is selected for over because it allows organisms to better survive in their environment
 23. group of organisms so similar to one another that they can breed and produce fertile offspring