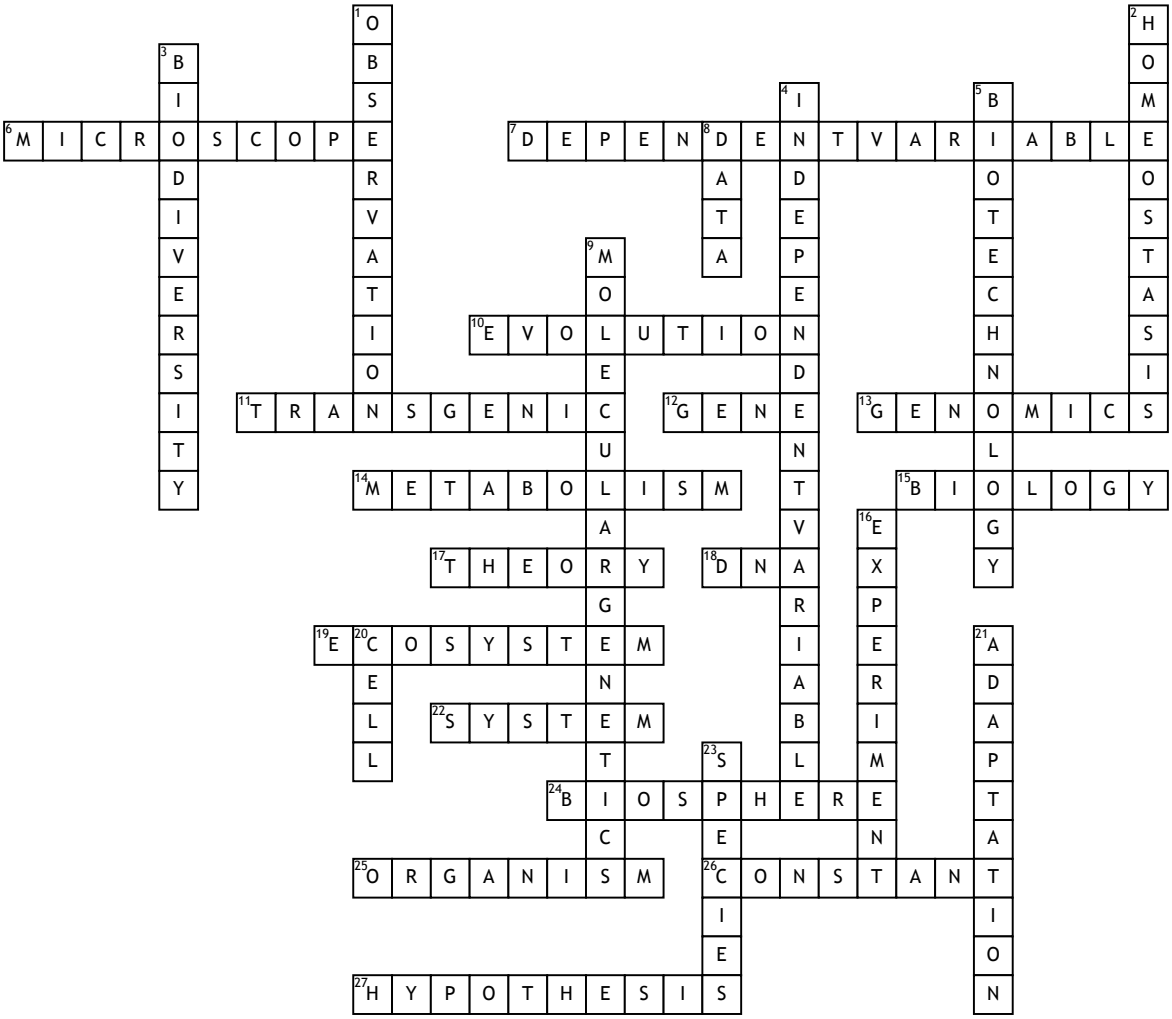
Name: _____ Date: _____

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 particualr protein

13. study and comparison of genomes within a single species or among different species

14. allchemical processes that synthesize or break down materials within an organism

15. scientific study of all forms of life

17. poposed 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, organied group of related parts taht 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. propoed explanation or answer to a scientific question

Down

1. using the senses to study the wold; 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 stucture and funtion 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