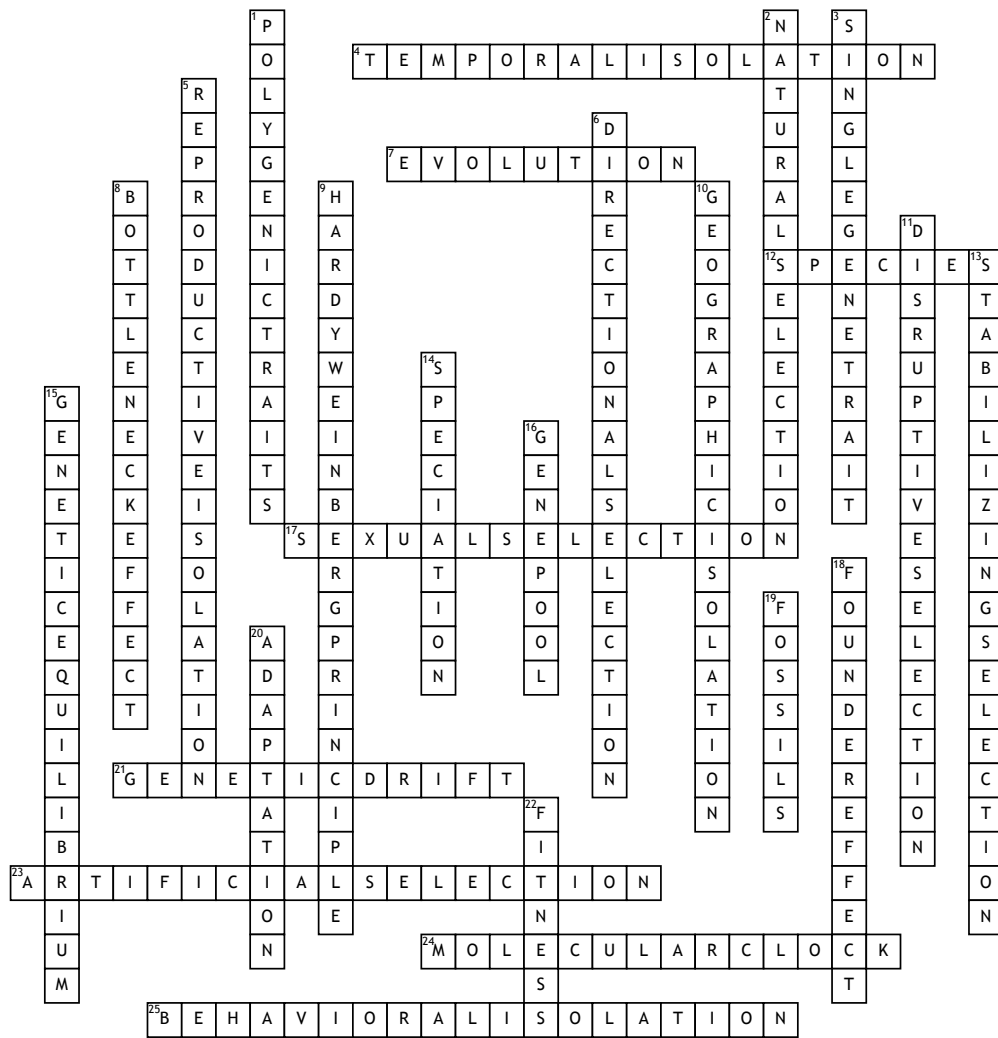


Name: _____

Chapter 16 & 17 Vocab



Across

4. When two or more species reproduce at different times
 7. The process of change over time
 12. group of population whose members can interbreed and produce fertile offspring
 17. Individuals select mates based on heritable traits
 21. random change in allele frequency
 23. Nature provides the variations, and humans select those they find useful
 24. uses mutation rates in DNA to estimate the time that two species have been evolving independently
 25. capable of interbreeding develop differences in courtship rituals

Down

1. Many traits are controlled by two or more genes
 2. Occurs in any situation in which more individuals are born than can survive
 3. A trait controlled by only one gene
 5. When populations become re productively isolated
 6. When individuals at one end of the curve have higher fitness than individuals in the middle or at the other end
 8. Is a change in allele frequency following a dramatic reduction in the size of a population
 9. states that allele frequencies in a population should remain constant
 10. When two populations are separated by geographic barriers

11. When individuals at the outer ends of the curve have higher fitness than individuals near the middle of the curve

13. When individuals near the center of the curve have higher fitness than individuals at either end

14. formation of new species

15. Allele frequencies in its gene pool do not change

16. Consists of all the genes

18. Allele frequencies change as a result of the migration of a small subgroup of a population

19. Addition to collecting specimens of living species

20. Any heritable characteristic that increases an organism's ability to survive and reproduce in its environment

22. Describes how well an organism can survive and reproduce in its environment

Word Bank

Speciation

Genetic Equilibrium

Sexual Selection

Artificial Selection

HardyWeinberg Principle

Founder Effect

Bottleneck Effect

Directional Selection

Geographic Isolation

Gene Pool

Genetic Drift

Reproductive Isolation

Evolution

Temporal Isolation

Molecular Clock

Natural Selection

Stabilizing Selection

Fossils

Behavioral Isolation

Polygenic traits

Species

Disruptive Selection

Singlegene trait

Fitness

Adaptation