

# AP Biology

## Ch. 13 & 14 Test Review

Read chapters 13 & 14!!!! Watch the Hardy-Weinberg video! Know your vocab!

1. Core theme of biology?
2. Other theories of evolution?
3. Overall idea of Natural Selection? (Darwin's 2 observations and inferences)
4. Artificial Selection? Examples?
5. Mechanisms or supports of evolution?
6. Examples of biogeography, comparative anatomy.
7. Be able to read an evolutionary tree (pg 263)
8. Population?
9. Ultimate source of variation in a species?
10. Hardy-Weinberg (work prob., 5 constraints, what do p and q stand for, etc...)
11. Genetic drift, founder effect and bottleneck effect
12. Types of directional selection (3)
13. Homozygous/Heterozygous (which is more advantageous?)
14. Intrasexual selection/intersexual selection
15. Relative fitness, Adaptations
16. Mechanisms of speciation
17. Allopatric speciation/sympatric speciation
18. Reproductive barriers (prezygotic, postzygotic, etc...)
19. Define a species (all concepts)
20. Hybrid zones
21. Punctuated/gradual equilibria
22. Be able to read and understand all models (pictures, diagrams, etc...) in both chapters.
23. Microevolution/Macroevolution