

Name: _____

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Apologia Biology - Modules 7-10

- | | |
|---|--------------------------------|
| 1. the time interval between cellular reproduction | A. Interphase |
| 2. the figure produced when the chromosomes of a species during metaphase are arranged according to the their homologous pairs | B. Microevolution |
| 3. a cell with chromosomes that come in homologous pairs | C. True breeding |
| 4. haploid cells (n) produced by diploid cells ($2n$) for the purpose of sexual reproduction | D. Fossils |
| 5. a non-cellular infectious agent that has two characteristics: (1) has genetic material (RNA or DNA) inside a protective protein coat; (2) it cannot reproduce on its own | E. The immutability of species |
| 6. inheritance of a genetic trait not on a sex chromosome | F. Biomass |
| 7. one of a pair of genes that occupies the same position on homologous chromosomes | G. Allele |
| 8. if an organism has a certain characteristic that is always passed on to its offspring we say that this organism bred true with respect to that characteristic | H. Virus |
| 9. a cross between two individuals, concentrating on only one definable traits | I. Transpiration |
| 10. a cross between two individuals, concentrating on two definable traits | J. Greenhouse Effect |
| 11. the idea that each individual species o the planet was specially created by God and could never fundamentally change | K. Recessive allele |
| 12. the theory that natural selection can, over time, take an organism and transform it into a more specialized species of that organism | L. Ecosystem |
| 13. distinct layers of rock | M. Dihybrid cross |
| 14. the hypothesis that processes similar to those at work in microevolution can, over eons of time, transform an organism into a completely different kind of organism | N. Macroevolution |
| 15. preserved remains of once-living organisms | O. Diploid cell |
| 16. the study of similar structures in different species | P. Autosomal inheritance |
| 17. an association of living organisms and their physical environment | Q. Gametes |
| 18. a measure of the total dry mass of organisms within a particular region | R. Strata |
| 19. an ecosystem where all water runoff drains into a single body of water | S. Karyotype |
| 20. evaporation of water from the leaves of a plant | T. Watershed |
| 21. the process by which certain gases (principally water vapor, carbon dioxide, and methane) trap heat that would otherwise escape the earth and radiate into space | U. Structural Homology |

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**Jay L. Wile, Marilyn F. Durnell, Apologia
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