

Apologia Biology - Modules 7-10

1. the time interval between cellular reproduction

2. the figure produced when the chromosomes of a species during metaphase are arranged according to their homologous pairs

3. a cell with chromosomes that come in homologous pairs

4. haploid cells (n) produced by diploid cells ($2n$) for the purpose of sexual reproduction

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

6. inheritance of a genetic trait not on a sex chromosome

7. one of a pair of genes that occupies the same position on homologous chromosomes

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

9. a cross between two individuals, concentrating on only one definable traits

10. a cross between two individuals, concentrating on two definable traits

11. the idea that each individual species on the planet was specially created by God and could never fundamentally change

12. the theory that natural selection can, over time, take an organism and transform it into a more specialized species of that organism

13. distinct layers of rock

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

15. preserved remains of once-living organisms

16. the study of similar structures in different species

17. an association of living organisms and their physical environment

18. a measure of the total dry mass of organisms within a particular region

19. an ecosystem where all water runoff drains into a single body of water

20. evaporation of water from the leaves of a plant

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

A. Interphase

B. Microevolution

C. True breeding

D. Fossils

E. The immutability of species

F. Biomass

G. Allele

H. Virus

I. Transpiration

J. Greenhouse Effect

K. Recessive allele

L. Ecosystem

M. Dihybrid cross

N. Macroevolution

O. Diploid cell

P. Autosomal inheritance

Q. Gametes

R. Strata

S. Karyotype

T. Watershed

U. Structural Homology

Apologia Biology Module 10 Study Guide Answers

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