

AP Biology
CH 23 Vocab QUIZ

NAME: _____ Period: _____

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| 1. _____ Strata | A. Based on nuclear decay |
| 2. _____ Tetrapods | B. Supercontinent formed 250 mya |
| 3. _____ stromatolites | C. low oxygen levels |
| 4. _____ Adaptive Radiation | D. layers of sedimentary rock |
| 5. _____ Radiometric Dating | E. Structures evolve in one context and become co-opted for another |
| 6. _____ Macroevolution | F. the last 500 million years(includes three eras) |
| 7. _____ Phanerozoic Eon | G. Fossilized remains of bacterial biofilms bound to sediment |
| 8. _____ Cenozoic Era | H. 4 limbed ancestors of amphibians, reptiles, and mammals |
| 9. _____ Mesozoic Era | I. Occurs on grand scale when continents break apart |
| 10. _____ Pangaea | J. when large numbers of species become extinct worldwide; 5 have occurred |
| 11. _____ allopatric speciation | K. Periods when many new species form and fill many niches |
| 12. _____ Mass extinction | L. sexually mature stage of a species retains juvenile structures of ancestor |
| 13. _____ anoxia | M. Master regulatory genes |
| 14. _____ 6 th Extinction | N. Rapid diversification of animals occurred 535-525 mya |
| 15. _____ Heterochrony | O. evolutionary changes in the rate or timing of development(i.e. bat fingers) |
| 16. _____ Paedomorphosis | P. the broad pattern of evolution above the species level |
| 17. _____ Homeotic Genes | Q. Age of reptiles |
| 18. _____ Hox genes | R. Age of Mammals |
| 19. _____ Cambrian explosion | S. type of homeotic gene; provides positional information in embryo |
| 20. _____ Exaptations | T. Scientists think we may be experiencing this NOW because more than a 1000 species have gone extinct in the last 400 years |