

Name: _____ Date: _____ Period: _____

Earth Systems

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| 1. The soft layer of the mantle on which the lithosphere floats. | A. Matter |
| 2. The mixture of gases that surrounds Earth the outermost of the four spheres into which scientists divide Earth. | B. Lithosphere |
| 3. All living things; one of the four spheres into which scientists divide Earth. | C. Convection |
| 4. The transfer of heat by movements of a fluid. | D. Reservoir |
| 5. Earth's dense center' made up of the solid inner core and the molten outer core; also the central. | E. Biosphere |
| 6. The layer of the rock that forms Earth's outer surface. | F. Core |
| 7. A rigid layer made up of the uppermost part of the mantle and crust; one of the four spheres into which scientists divide Earth. | G. Resources |
| 8. Earth's water and ice; one of the four spheres into which scientists divide Earth. | H. Cycle |
| 9. A rigid layer made up of the uppermost part of the mantle and crust; one of the four spheres in which scientists divide Earth. | I. Geosphere |
| 10. The layer of hot, solid material between Earth's crust and core. | J. Crust |
| 11. The substance or substances of which any physical object consists or is composed. | K. System |
| 12. A natural resource that is not replaced as it is used. Non-Renewable | L. Mantle |
| 13. The process by which plants use water plus carbon dioxide and energy from the sun to make food. | M. Resources |
| 14. A resource that is naturally replaced in a relatively short time. Renewable | N. Photosynthesis |
| 15. A natural or artificial lake that stores water for human use. | O. Atmosphere |
| 16. The combined processes, including photosynthesis, decomposition, and respiration by which carbon as a component of various compounds cycles between its major reservoirs the atmosphere, oceans, and living organisms. Carbon | P. Hydrosphere |
| 17. A method of research in which a problem is identified, relevant data are gathered, a hypothesis is formulated from these data, and the hypothesis is empirically tested. Scientific | Q. Method |
| 18. A region that is isolated from its surroundings by a boundary that admits no transfer of matter or energy across it. Closed | R. System |

19. Open system a material system in which mass or energy can be lost or gained from the environment. Open

S. Asthenosphere