

1.2 Systems in Environmental Science

Key Concepts

- Concepts of open, closed, and isolated systems in terms of energy and matter flows.
- Earth's geosphere (lithosphere), atmosphere, and hydrosphere as subsystems of the Earth system.

1.2.1 Earth System Subsystem Preview

Define each subsystem term by your own words. Then, write a brief (2-3 lines) note on how you'd conceptualize each. (Use terms from parentheses for you.)

| Term | Definition | Other Information |
|---------------|---|---|
| Feedback loop | an instance that the output of a system and actions involved in it, manages. | loops that occur and impact in an often called feedback loop. |
| Energy | The amount of ability to do work or generate heat in a given system. | associated with input and output configurations. |
| Temperature | A scale of all the kinetic and other kinds of energy. | scale of all kinds and forms of energy. |
| Hydrosphere | By the hydrosphere we can just define Earth's entire water-related system of the planet. | the water cycle. |
| Atmosphere | Atmosphere's ability to have being things surrounding parts which continuously with other things. | all the things and processes things in the atmosphere. |
| Lithosphere | the physical parts surrounding the planet. | physical parts surrounding the planet. |
| Geosphere | all the parts of the planet Earth's surface and in the atmosphere. | hydrosphere, atmosphere and a water system. |

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