



## Ecosystem Structure and Dynamics

### Practice Questions

**Directions:** Choose the letter of the correct answer.

1. Energy flow and chemical cycling are core concepts when talking about the ecosystem. The conversion of solar energy into compounds by autotrophs refers to which overall process?
  - a. Primary production
  - b. Net primary production
  - c. Gross primary production
  - d. Energy Pyramid
2. The transfer of energy within ecosystems refers to which concept?
  - a. Chemical Cycling
  - b. Transformation of Matter
  - c. Conservation of Energy
  - d. Energy Flow
3. The idealized amount of energy that is transferred to the next trophic level is about?
  - a. 0.1%
  - b. 1%
  - c. 10%
  - d. 100%
4. The amount of chemical energy available to the consumers.
  - a. Primary production
  - b. Net primary production
  - c. Gross primary production
  - d. Energy Pyramid
5. Production in the ecosystem is expressed in terms of which particular unit?
  - a. Meter
  - b. Biomass
  - c. Liter
  - d. Kelvin



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