## ECOSYSTEM WORKSHEET

## VOCABULARY T.

- a. Abiotic
- **Biotic** b.
- Ecosystem c.
- d. Trophic levels
- Primary producer
- e. f. Primary consumer
- Herbivores
- Secondary consumers
- Carnivores

- Tertiary consumers
- Omnivores
- Decomposers 1.
- m. Detritus
- n. Food Chain Food web ο.
- p. Biomass
- Energy pyramid
- Numbers pyramid Biomass pyramids
- II.
- Organisms interact with organisms they eat

  1. Describe some ways organisms interact with other organisms

  2. Describe some ways organisms interact with nonliving portions of their environment.
  - How are organisms interrelated?
  - 5. How are organisms interfered at the control of the cont

  - 6. How do all other organisms get their energy?7. What might happen to the balance of the food web if:
  - a. An organism in the ecosystem went extinct b. If the number of one type of organism increased
  - c. If the number of one type of organism decreased
- III. Energy Flow and nutrient cycling are two major processes of ecosystems
  - 1. What are the two key processes in all ecosystems?
  - How does energy enter an ecosystem?
  - What group of organisms captures sunlight and converts it into chemical energy?
  - What process converts light energy into chemical energy?

  - How do decomposers obtain their energy? Every time an organism uses energy, is it 100% efficient use or is some lost? Explain.
  - Is energy recyclable?
  - Are chemicals (nutrients) recyclable in an ecosystem?
  - Nutrients are recycled between what two parts of the ecosystem?
  - 10. How do plants, algae, and some bacteria obtain their nutrients?
    11. How do all other organisms obtain their nutrients?

  - 12. How are nutrients returned to the abiotic environment? 13. Why are ecosystems dependent upon a continual supply of energy?