

Unit 3 Sustainable Ecosystems

Day 1 : Using the powerpoint presentation complete the following introductory worksheet

1. Ecology - The study of how organisms interact with their _____ and _____
2. Ecosystem - All of the _____ parts of a biological community and its physical environment within a specific area. It can be _____ or _____, and temporary or permanent.
3. Producer - Organisms capable of making their own food from: _____, _____ & _____
4. Consumer - Organisms that must eat _____ for food
5. Types of Consumers
 - a. Herbivore
An organism that eats _____ as ____% or more of its diet
 - b. Carnivore
An organism that eats _____ as ____% or more of its diet
 - c. Omnivore
Organisms that eat a mixture of fresh _____ & _____ materials
- 6a. Detritus - _____ from plants and animals, including _____
- 6b. Decomposer -Organisms that consume _____
7. Pest - An organism that considered to be _____ in a particular situation. e.g. _____

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| _____ | Biogeochemical Cycle | E. This is one of the seven major biomes in which rainfall amounts are high and flora and fauna vary greatly; at least one-half of the the world's species are contained in these and primary productivity is extremely high. |
| _____ | Scavenger | F. This is the role of a species in an ecosystem, consisting of such things as what it eats, when it eats, and where it lives. |
| _____ | Rain Forest | G. An animal that eats the dead remains and wastes of other animals and plants. |
| _____ | Temperate | H. A pathway by which a chemical element or molecule moves through both biotic and abiotic compartments of an ecosystem. |
| _____ | Niche | I. This is the way in which a species' population grow and shrink over time. |
| _____ | thermal pollution | J. This is the interaction of two organisms where both benefit. |