

Organisation of an ecosystem recall questions

1. What does biomass mean? **Energy stored in living organisms**
2. What are the two main types of photosynthetic organisms? **Green plants and algae**
3. How can the mean mode and median be determined for abundance of organisms? **Mean – add all results together, divide the total by the number of organisms. Mode – most common value. Median – write the number in ascending order and then find the middle value.**
4. **Producer → primary Consumer → secondary consumer → Tertiary consumer**
5. Which process removes CO₂ from the atmosphere? **Photosynthesis**
6. Write down three processes that return CO₂ to the atmosphere? **Respiration, combustion, decay**
7. What two important processes are part of the water cycle? **Evaporation and precipitation**
8. What do decomposing microorganisms return to the soil? **Mineral ions**

Organisation of an ecosystem application questions

1. Sketch, and label with explanations, a predator-prey cycle for numbers of rabbits and foxes.
2. Sketch and label a carbon cycle.
3. Sketch and label a water cycle.
4. Say three ways species in a community differ between summer and winter.
5. Explain why irrigation of land is important.