

**TD n°3 TCE****Introduction to Ecology**

Ecology is the scientific study of the interactions between organisms and their environment. It focuses on understanding the relationships between living organisms, their habitats, and the surrounding ecosystems. This field of study plays a crucial role in addressing environmental issues and promoting sustainable practices. One fundamental concept in ecology is the idea of the food chain and the interconnectedness of organisms within an ecosystem. Organisms are classified into different trophic levels, including producers (plants), consumers (herbivores, carnivores, and omnivores), and decomposers (bacteria and fungi). These trophic levels are linked through the transfer of energy and nutrients, forming complex food webs. Another important aspect of ecology is the study of biodiversity. Biodiversity refers to the variety of species, genes, and ecosystems present in a given area. It is essential for the stability and functioning of ecosystems, as different species play unique roles in maintaining ecological balance. Loss of biodiversity can have detrimental effects on ecosystem health and resilience. Ecology also examines the impact of human activities on the environment. Human-induced factors such as deforestation, pollution, climate change, and habitat destruction can disrupt ecosystems and lead to the loss of biodiversity. Understanding these impacts is crucial for developing strategies to mitigate and reverse environmental damages.

**Read the text and answer the following questions:**

**Q1) Give the main idea of the text.**

**Q2) Propose six keywords for the text.**

**Q3) What is the main focus of ecology as a scientific discipline?**

**Q4) What is the significance of biodiversity in maintaining ecological balance?**

**Q5) What are some examples of human-induced factors that disrupt ecosystems?**

**- Questions about the oral presentation lecture**

**Q6) What is an oral presentation?**

**Q7) Give some examples of oral presentation types**

**Q8) How can we start planning an oral presentation?**

**Q9) Mention some tips to interact with the audience during an oral presentation.**