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| **Session 16:**  | **ANALYSING ECOSYSTEMS** |

##

**Skills developed**

Apply theoretical knowledge to a practical case study.

## Assessed criteria

Criteria E: AIE

**Objective**

“To apply your knowledge on ecosystems to analyse a real situation?”

**Method**

Your teacher will project one of the following documentaries:

* [One planet](https://www.youtube.com/watch?v=GfO-3Oir-qM&t=1291s)
* [Jungles](https://www.youtube.com/watch?v=um2Q9aUecy0)
* [Deserts and grasslands](https://www.youtube.com/watch?v=XmtXC_n6X6Q)
* [Coastal seas](https://www.youtube.com/watch?v=r9PeYPHdpNo)
* [Forests](https://www.youtube.com/watch?v=JkaxUblCGz0)
* [Fresh water](https://www.youtube.com/watch?v=R2DU85qLfJQ)
* [Frozen Worlds](https://www.youtube.com/watch?v=cTQ3Ko9ZKg8)
* [High seas](https://www.youtube.com/watch?v=9FqwhW0B3tY)

Read carefully through the following questions and be attentive during the documentary to find the answers.

1. State the names of all the ecosystems, or in case there is only one ecosystem, of at least four ecological niches seen in the documentary, and briefly describe them.

***A niche*** *is the role or job of a species in a habitat. The word niche comes from the French word nicher, which means “to nest.” An ecological niche describes how a species interacts with, and lives in, its habitat.*

1. Make a complete list of all the species seen in the documentary.
2. Briefly explain **for each ecosystem** one interspecific relations you have seen.
3. Briefly explain **for each ecosystem** one intraspecific relations you have seen.
4. Describe two food chains with at least three steps (producer🡪 primary consumer 🡪 secondary consumer) observed in the documentary.

**Results**

Upload your answers to your OneNote portfolio in the laboratory section.