

INTERACTIONS WITHIN ECOSYSTEMS

What is an Ecosystem?

- * An **ecosystem** is a community of living organisms that interact with each other and their environment.
- * There are numerous parts that make up each ecosystem and everything plays an important role!



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Biotic vs. Abiotic

There are two main classifications used when observing an ecosystem:

1) **Biotic**

2) **Abiotic**

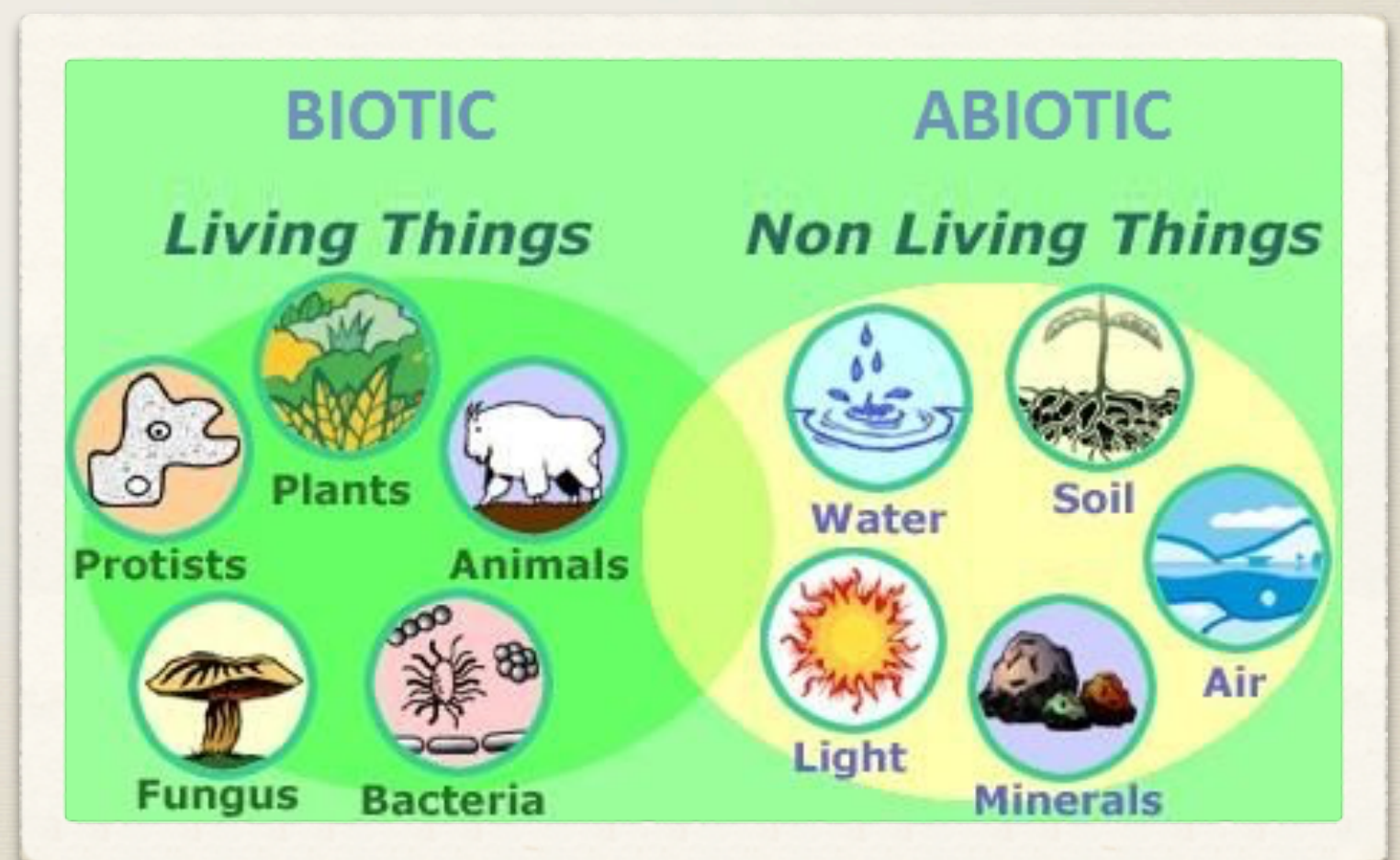


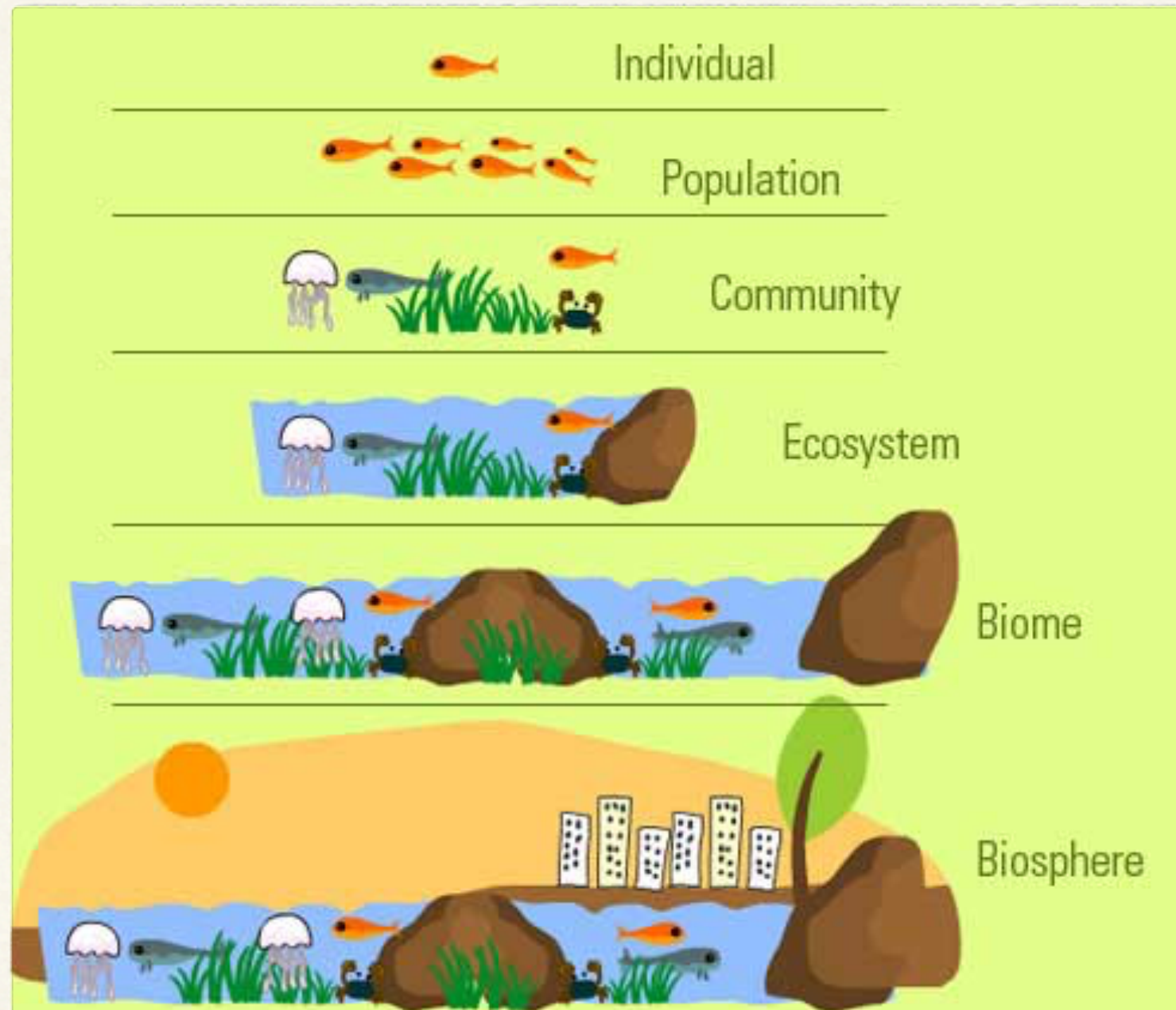


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Ecologist

- * A scientist who studies the biotic parts of the ecosystem is called an **ecologist**.

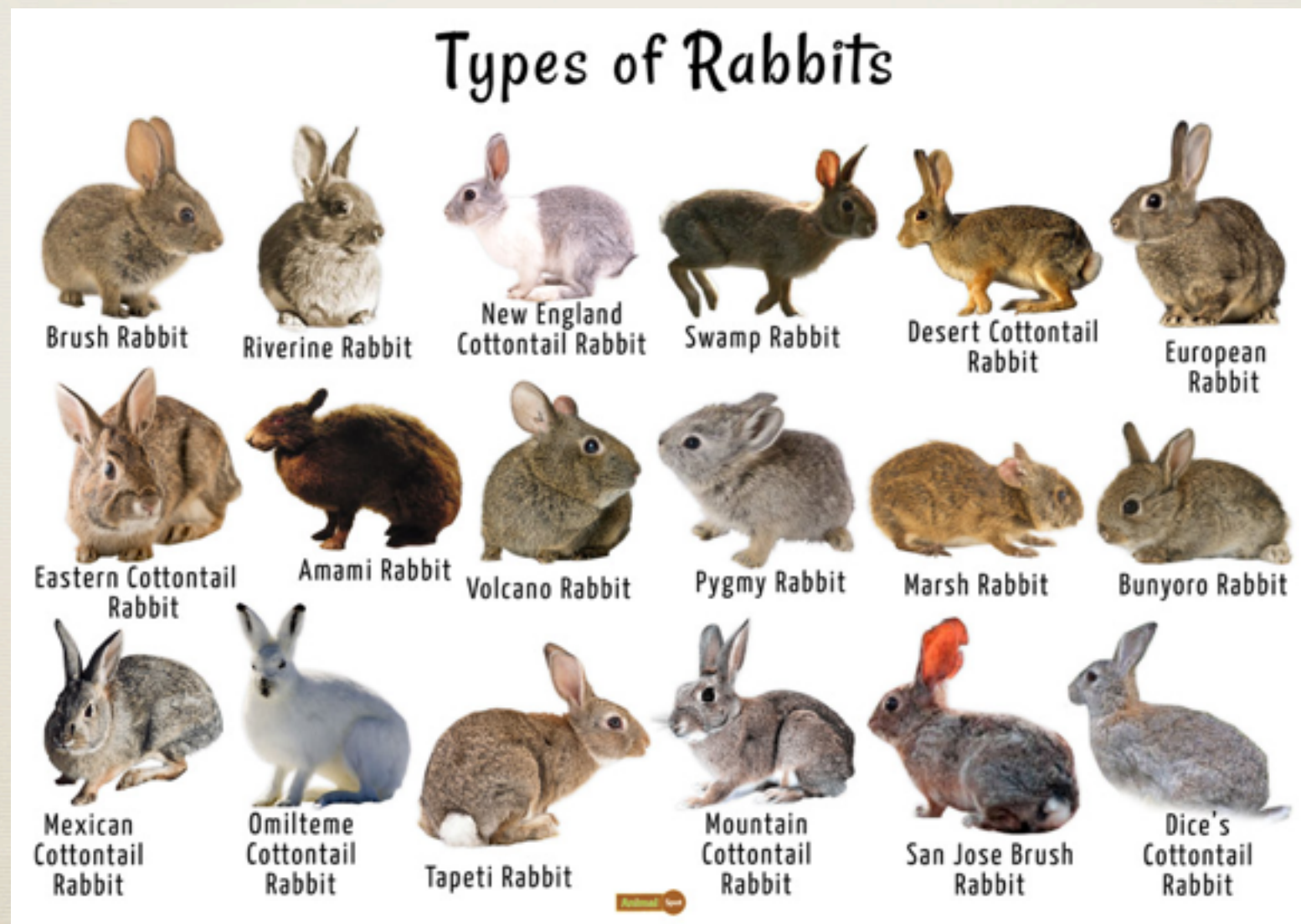




Levels of Organization

Species

* A **species** is a group of organisms who can successfully reproduce.



Individual, Population, Community

- * One organism by itself is called an **individual**.



- * A group of individuals made up of the same species is called a **biological population**.



Individual, Population, Community

- * A **biological community** is made up of all the populations that live in one area.



Individual, Population, Community

- * In every community, each species has a particular place where it sleeps and eats. This place is called its **habitat**.



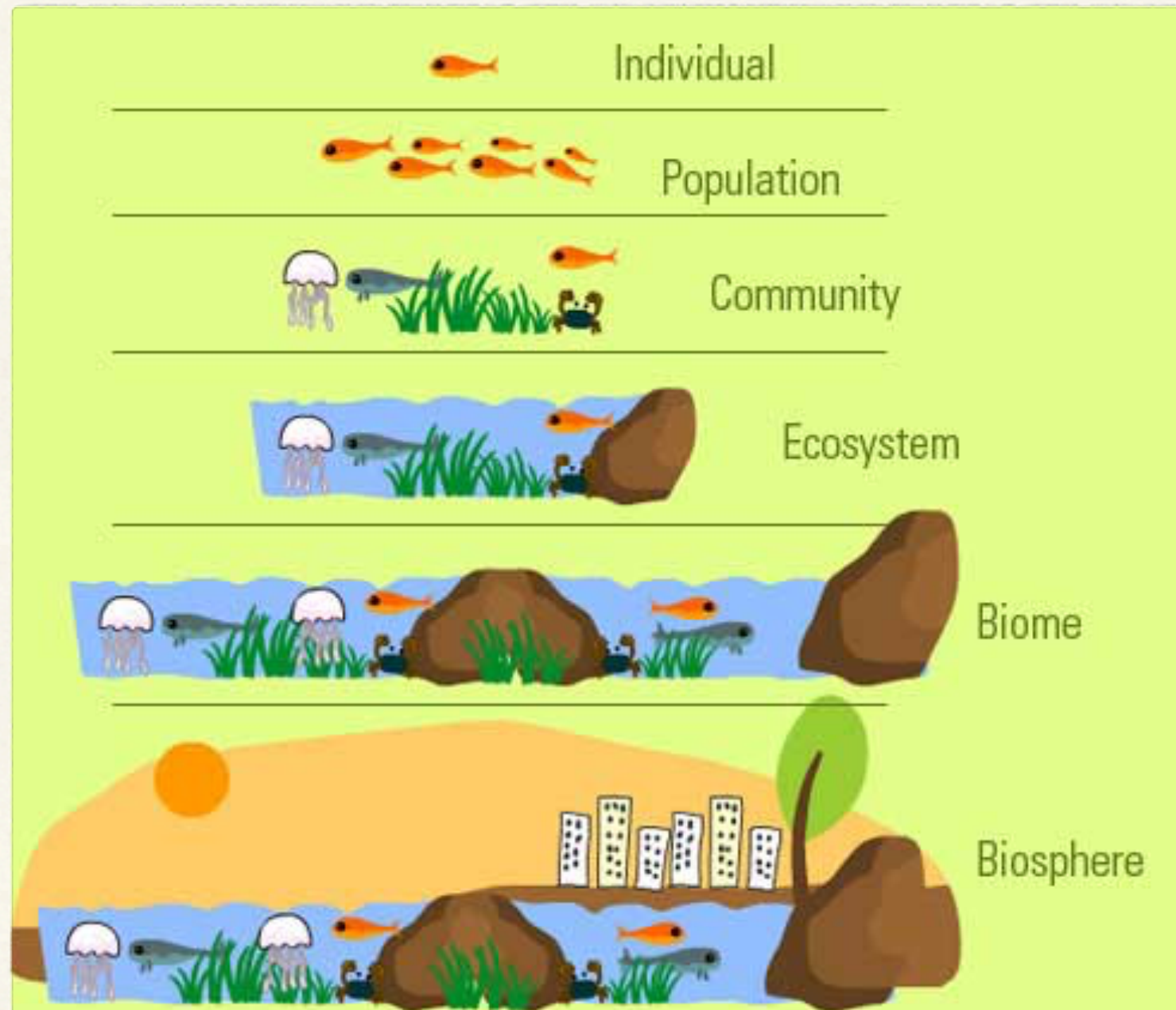
Individual, Population, Community

- * An **adaptation** in an inherited characteristic that helps an organism survive and reproduce.



Rabbit Video

<https://www.youtube.com/watch?v=U1BcJ4B7oYk>



Levels of Organization

Key Terms

Organism

Individual

Biotic

Biological Population

Abiotic

Biological Community

Ecologist

Habitat

Species

Adaptation