

QUESTIONS OF THE DAY

- What does “interact” mean?
- How do you interact with your friends?
- How do you interact with your family?
- How do you interact with Mr. Aiello
- If you are on a team sport, how do you interact with your teammates? How do you interact with your opponent?



SPECIES INTERACTION

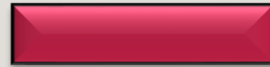
HABITAT VS NICHE

- To interact means to act in such a way as to have an effect on another
- Species interact with each other based on their **niche**
- A **habitat** is a place an organism lives
- A **niche** is a unique role of the species in an ecosystem
 - Includes **use of resources** or **use of habitat**



WAYS IN WHICH SPECIES INTERACT

- There are **5** ways in which species interact with each other
- Each interaction can cause **benefit**, **harm**, or **neither** to each species



COMPETITION

- Individuals compete for the **same limited resource**
- Can be between the **same (intraspecific)** or **different (interspecific)** species
- Both individuals are **harmed**
- <https://youtu.be/M7EAKwrRXco>

PREDATION



- **Predators** feed on organisms
- **Prey** is the organism fed upon
- The predator **benefits** while the prey is **harmed**

PARASITISM

- A **parasite** takes its nourishment from a **host**
- The parasite **benefits** while the host is **harmed** (but usually not killed)



MUTUALISM

- Two separate **species** need each other to **survive**
- Both species **benefit**





COMMENSALISM

- Not all interactions end with a species **benefiting** or being **harmed**

- In commensalism, 1 species **benefits** while the other is **neither benefited or harmed**