

Turn and talk: What is going on in this picture?



In nature, organisms live together and long-term relationships. **SYMBIOSIS** is a term used to describe close, long-lasting interactions between two different species.



**SYM = TOGETHER**

**BIOSIS = LIVING**

# There are 3 types of Symbiotic relationships

**Mutualism**



**Parasitism**



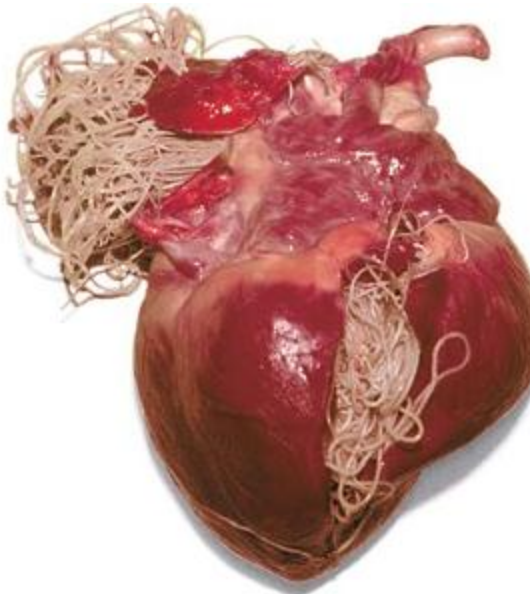
**Commensalism**



# Parasitism



- One organism benefits from relationship and the other is harmed



Example: Heartworm living in the heart or lungs of dogs or cats. Transmitted by mosquitoes.

# Commensalism



One organism benefits from the relationship and the other organism is not helped OR harmed.



Example: A cattle egret (bird) follows the cattle and eats the insects that are stirred up by the movement of the cattle through the grass.

# Mutualism



- Both organisms benefit from relationship



Example: The clown fish is protected from predators by the sea anemone and the anemone is cleaned by the clown fish.





