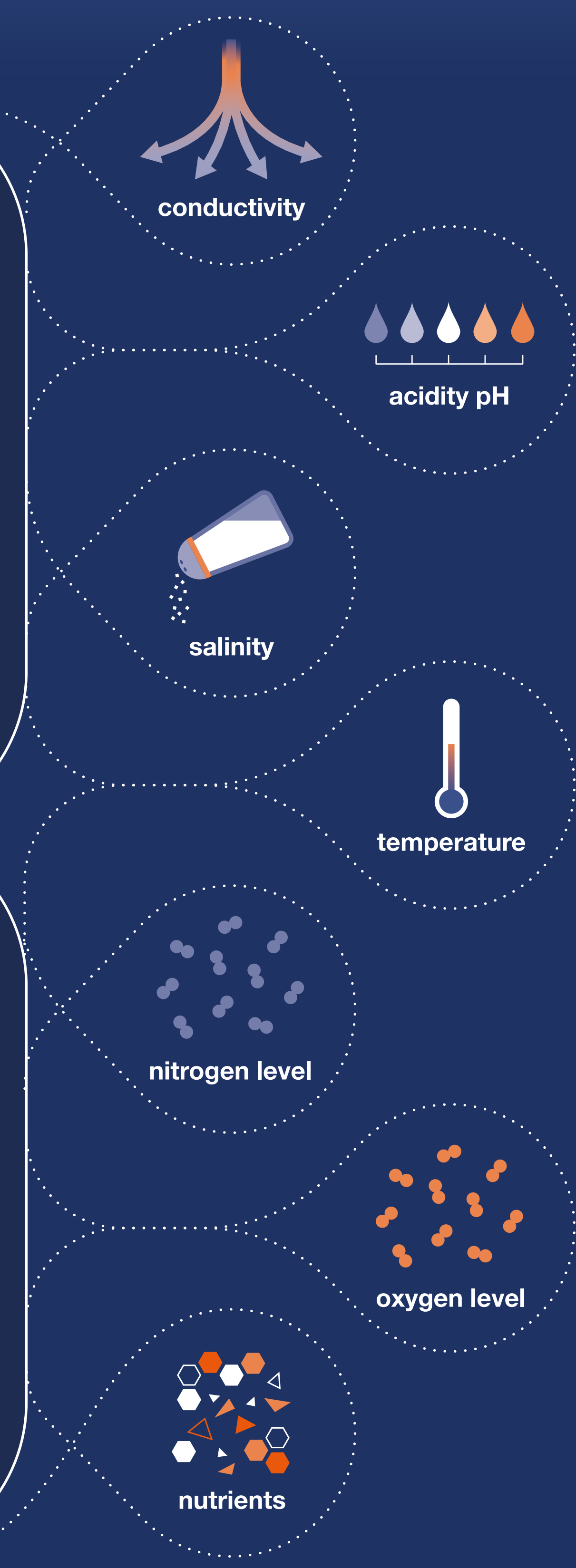
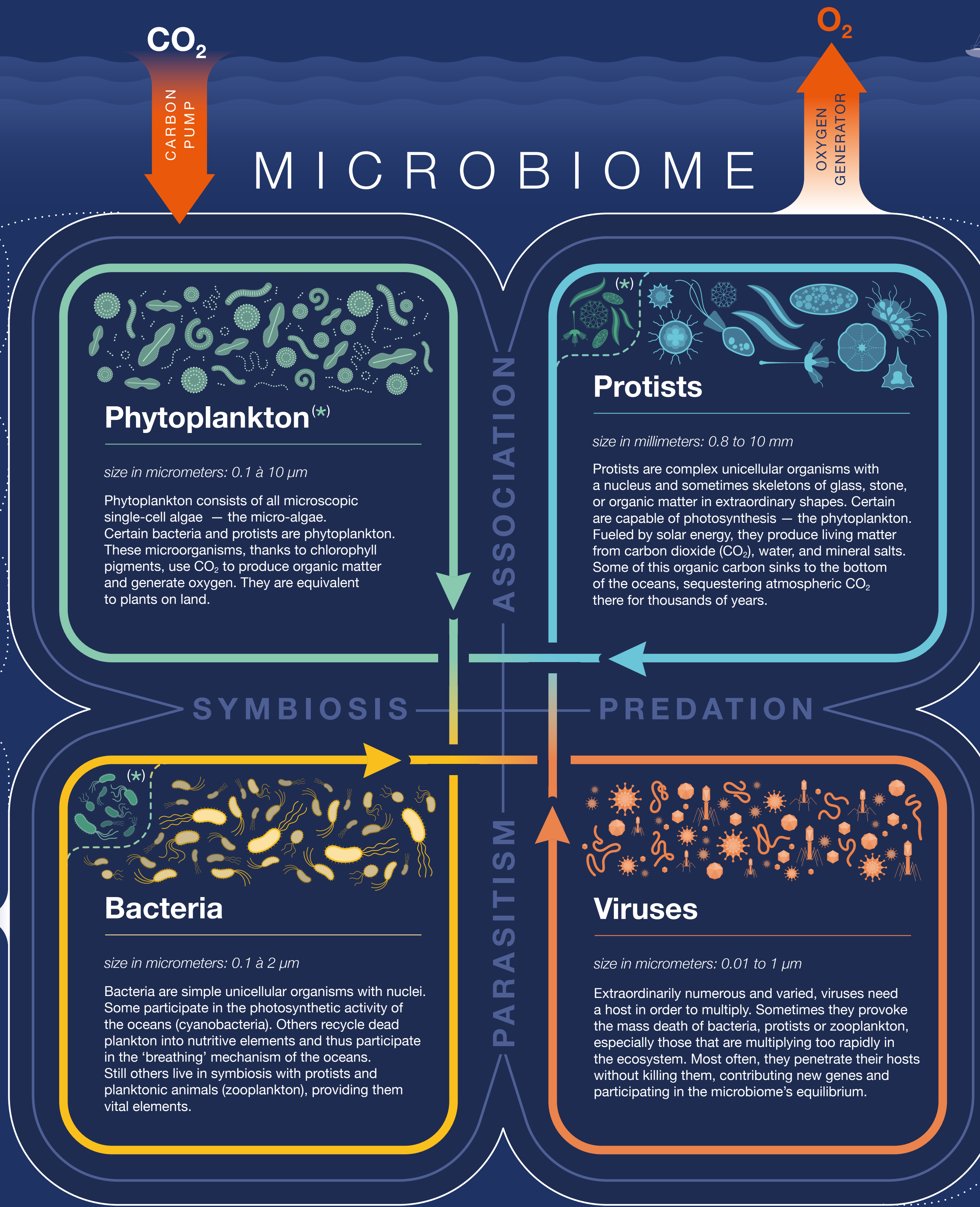
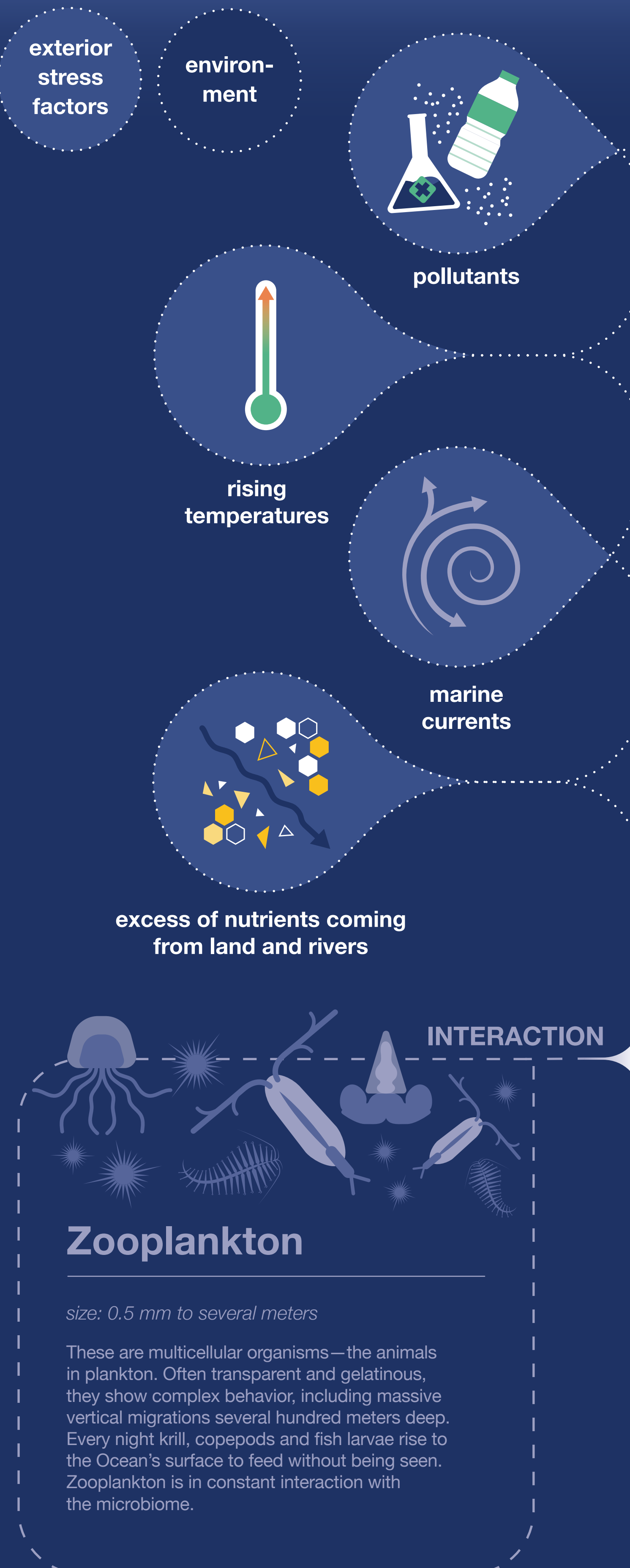


# WHAT IS THE OCEAN MICROBIOME?

Every liter of water contains between 10 and 100 billion microorganisms, classified in 4 populations: phytoplankton, protists, bacteria, and viruses. This classification does not reflect the immensely rich biodiversity of plankton, nor their numerous ecological interactions: symbiosis, parasitism, predation, and protection.

The Microbiome Mission will help us understand **WHO DOES WHAT, AND HOW**, in an environment in constant mutation due to climate change

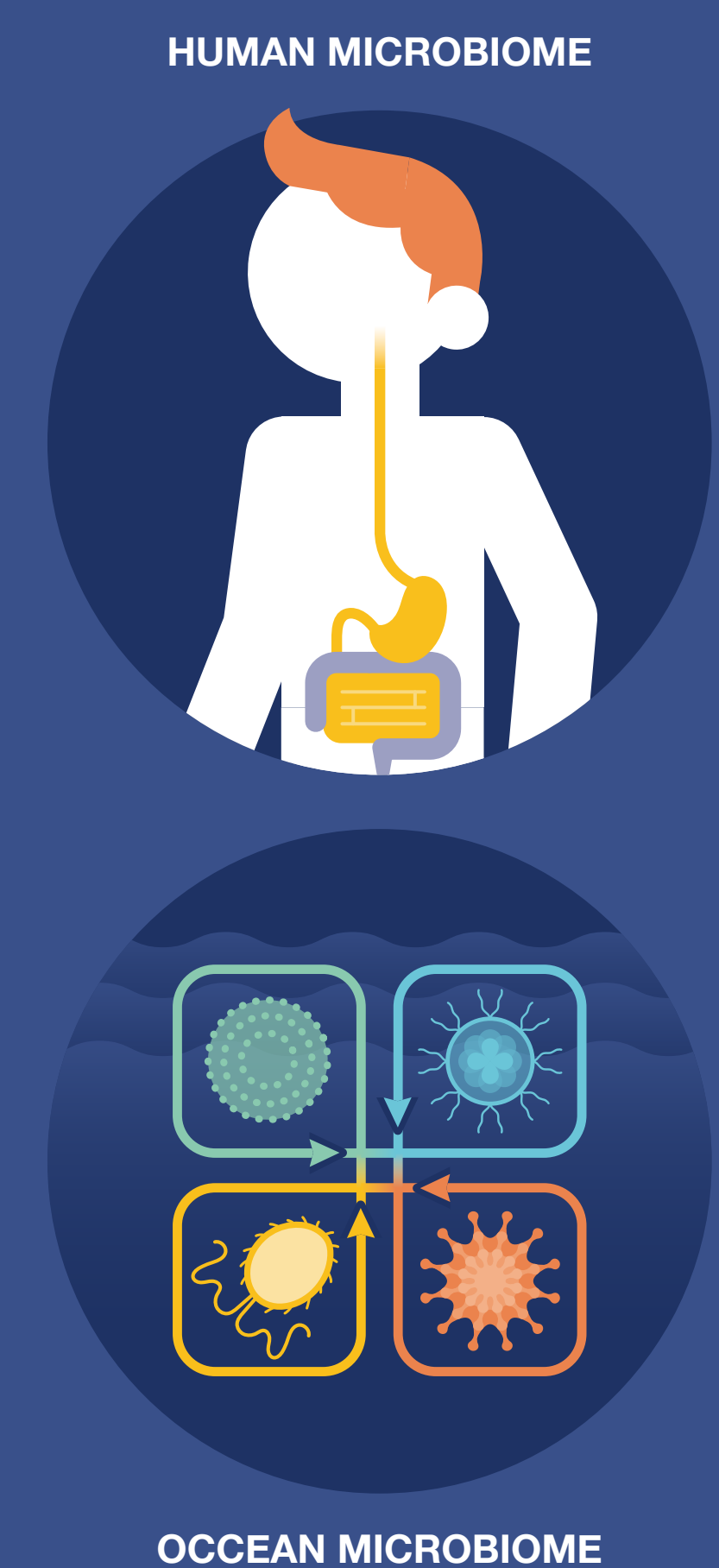
## SUBJECTS OF STUDY



## JUST AS THE HUMAN MICROBIOME

CONTRIBUTES TO OUR WELL-BEING, THE OCEAN MICROBIOME CONTRIBUTES POSITIVELY TO THE HEALTH OF THE PLANET

It structures, produces and protects. The microbiome influences the entire oceanic ecosystem, and thus the climate of our planet. The microbiome is an indicator of the Ocean's state of health. Today the human microbiome is well-studied. In contrast, more than 60% of microbial genes present in the ocean remain to be discovered.



## Studying the microbiome means...



## in a common environment: the Ocean