

# Tools of the Trade: Marine Biology



CTD

A CTD machine used for measuring the conductivity, temperature, and depth of the salt water it is placed in. This is used to tell the state of the water that animals are swimming in and around to see if it is healthy or to see the living conditions of the animal.



This is an ROV or remotely operated vehicle used for deep sea exploration. Cameras and lights are mounted to the surface to provide a view of waters that humans can not traverse. It is also used to extract samples of minerals and sometimes animals to bring back to research.



A rebreather device is used to supply oxygen to people going under the waves to be more hands on. Typically used in low pressure environments such as coral reefs and just off coastlines.



A boat is the most essential part allowing for quick oceanic traveling with the ability to haul the equipment needed to conduct the research. A crane is typically on the side of these boats and they are used to lower anything into the water or bring anything out.