

blank working sheet



DOES THE CONDUCTIVITY CHANGE IF THE AQUATIC PLANT IS PROPERLY FED?

Electrical conductivity in water measures the ability of water to conduct electricity. This property depends on the amount of minerals and salts dissolved in the water. The higher the concentration of these substances, the higher the electrical conductivity of the water. Electrical conductivity is used to measure water quality in various applications, such as drinking water quality monitoring and industrial wastewater management. Changes in conductivity can also be used to monitor seasonal variations in water quality and environmental changes in aquatic ecosystems.

Can you develop a solution to know the nutrient needs of aquatic plants by observing the conductivity?





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DEFINE YOUR SCIENTIFIC EXPERIMENT

We invite you through this model to be creative while developing the scientific and technical points to design a unique and motivating experiment! You are free to develop your own solution or to draw on our existing protocols and pre-existing resources you can find on the internet.

OQIENTOTION

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Briefly introduce your experiment, the issues addressed, the learning objectives. Define the problem to be solved, what are the learning objectives?

ΙΛΤΕQDISCIPLIΛΔQITY

Discipline	Concept addressed through the protocol

CONCEPTUALISATION

Formulate a hypothesis to answer the given problem.





ΙΛΥΕςτισοτιοη

Describe the steps needed to answer your hypothesis. You could use the following steps as a guide: collect the data and use sensors, display the data, make it accessible, analyse the data and conclude, use the data to propose one or more solutions.



INVESTIGATION - CONTINUED

CONCLUDE, DEBOIEF

Identify the knowledge mobilised during this phase, identify the learnings aquired, reflect on what you have gained as competencies, knowledge and skills.

