

blank working sheet



DOES CO2 CONSUMPTION BY PLANTS HAVE AN IMPACT ON PH?

Aquatic plants play an important role in regulating CO2 levels. They use photosynthesis to convert CO2 into plant matter and oxygen. Aquatic plants, such as algae and seagrasses, can be particularly effective at absorbing CO2, as they have constant access to water and nutrients. In addition to their ability to "trap" CO2, aquatic plants can also help purify water by removing contaminants.

Can you develop a solution to use ph measurement to observe CO2 consumption by an aquatic plant?





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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?

INTERDISCIPLINARITY

| Discipline | Concept addressed through the protocol |
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CONCEPTUALISATION

Formulate a hypothesis to answer the given problem.





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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, DEBQIEF

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

