

WATER

Task:

Loss of oxygen in the water.

Experiment

You will need:

7 glasses, canvas, rubber bands, opaque tape, pond water, tap water, water measuring cup, spoons, tester for dissolved oxygen in water, fertilizer for houseplants, washing powder containing phosphorus, rubber gloves

Procedure:

1. Stick the opaque tape on each glass and number them from 1 to 7.
2. Fill each glass half with water from the pond and half with spring water. (use a measuring cylinder)
3. Cup No. 1 will contain only water.
4. Cups no. 2,3 and 4 will contain fertilizer.
5. Use gloves when handling fertilizer and detergent.
6. To cup no. 2,3 and 4 add $\frac{1}{4}$ teaspoon of fertilizer.
7. Cup no. 5,6 and 7 will contain detergent.
8. To cups no. 5, 6, and 7 add $\frac{1}{4}$ teaspoon of detergent.
9. Cut 7 squares from the canvas so that they cover the opening of the cup.
10. Cover each cup and use a rubber band to secure the cloth.
11. Put the glasses in a sunny place.
12. Observe the glasses for 14 days and make notes in the chart.
13. After one week, test the amount of oxygen in each cup. Note the amount of dissolved oxygen in the table in the units shown on the tester.

Project: ACC03P30 „Awareness raising on climate change mitigation and adaptation among school pupils and the public“. The project has been co-financed from the Norway Grants and from the State Budget of the Slovak Republic

Applicant: Spojená škola, Námestie sv. Martina 5, 908 51 Holíč

Programme: „Climate Change Mitigation and Adaptation“

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14. Continue daily observation. On the fourteenth day, test the amount of dissolved oxygen in each cup again and record the results in the table.

Notes	Cup 1	Cup 2	Cup 3	Cup 4	Cup 5	Cup 6	Cup 7
Day 1							
Day 2							
Day 3							
Day 4							
Day 5							
Day 6							
Day 7							
Day 8							
Day 9							
Day 10							
Day 11							
Day 12							
Day 13							
Day 14							

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