

STUDENT SHEET 1b

Do you like your oceans still or sparkling?



Summary

This demonstration shows how water becomes more acidic when carbon dioxide is bubbled through it.

Equipment needed:

- Beaker or glass containing 200ml still water
- Beaker or glass containing 200ml sparkling water
- pH indicator (either Universal Indicator or Hydrogen Carbonate Indicator) or pH meter

Overview

Students will start by estimating the pH of the two types of water.

pH indicator is added to each one to see whether the pupils' estimates were correct.

You could also use a pH meter.

Discussion questions

1. What difference in acidity did you observe?
2. Why do you think there was a difference in acidity?
3. Is this what you expected? Why?