

Scan for more information

Or go to:

http://nwad.org/new.background.streamwatch.html

Let's analyse water health.

Use a H₂OWatch kit:

do your own analysis of a local river or canal water.

Suitable for all ages: children and

adults



Kit tests:

Temperature

Alkalinity

pН

Nitrate/Nitrite

Phosphate

Turbidity

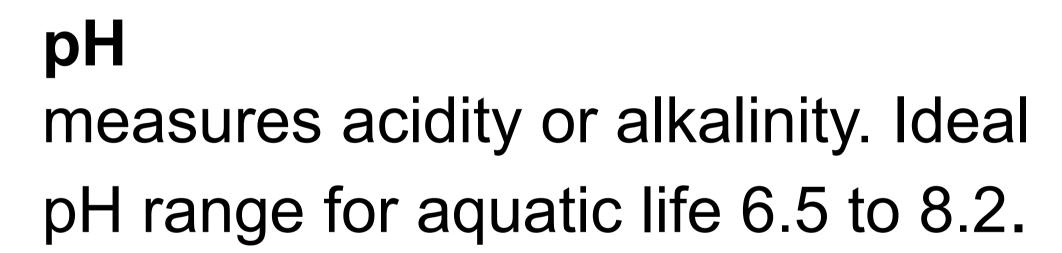
Dissolved O₂

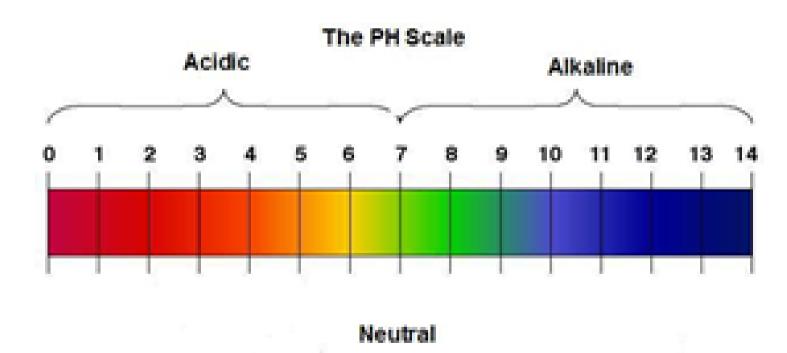
Turbidity

Measure cloudiness/ muddiness of water. Turbid water hinders photosynthesis in aquatic plants



Dissolved Oxygen Fish need at least 5 mg/L (parts per million) to live in a stream





Temperature

Temperature has a major effect on aquatic ecosystems.

Nitrates and Phosphates Higher than acceptable levels can be detrimental to fish life.

Total Hardness

Water hardness can affect the ability of fish to control the flow of water going into their bodies.



You can borrow the H₂OWatch kit – it is free

Or

You can arrange for the activity to be run for your class or group by MMU undergraduate Chemistry students

Contact via website or directly to Megan McLean, Senior Lecturer Analytical Chemistry, MMU: m.mclean@mmu.ac.uk

We plan to allow you to upload the water analysis data to an online interactive map.

Would you like to get involved in the further development of this kit and related teaching materials?

Contact Megan McLean at email above