

Statement of participation

Valeriia Harbuzova

has completed the free course including any mandatory tests for:

Water for life

This free 15-hour course explained how the basic chemistry of how atoms, elements and molecules work together.

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www.open.edu/openlearn

This statement does not imply the award of credit points nor the conferment of a University Qualification.
This statement confirms that this free course and all mandatory tests were passed by the learner.

Please go to the course on OpenLearn for full details:

<https://www.open.edu/openlearn/nature-environment/environmental-studies/water-life/content-section-0>

COURSE CODE: **S154_1**

Water for life

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Course summary

Atoms, elements and molecules are the building blocks of everything that makes up our world, including ourselves. In this free course, Water for life, you will learn the basic chemistry of how these components work together, starting with a chemical compound we are all very familiar with water.

Learning outcomes

By completing this course, the learner should be able to:

- read data presented in tables
- use scientific notation to express both large and small quantities
- appreciate why chemists use different models to represent molecules
- identify the number and type(s) of atom present in a molecule from its chemical formula
- identify the reactants and products of a reaction in a chemical equation.

Completed study

The learner has completed the following:

Section 1

The power of water

Section 2

Earth's store of water

Section 3

What are compounds?

Section 4

Inside the atom

Section 5

Molecules and covalent bonding

Section 6

Chemical language

Section 7

Ions and ionic bonding

Section 8

Water and its impurities