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Statement of participation

Guest user

has completed the free course including any mandatory tests for:

Inheritance of characters

Genes, DNA and chromosomes all contribute to our character. This 4-hour free course explained what they are, how they affect us and our descendants.

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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/science-maths-technology/biology/inheritance-characters/content-section-0

COURSE CODE: **SK195_1**

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Inheritance of characters

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Course summary

Genes are units of inheritance that contribute to a person's behaviour and health. In this free course, Inheritance of characters, you will learn what genes, DNA and chromosomes are and how they combine to make the human genome. You will also learn how the principles of inheritance work, the effect that our genetic make-up has on health, and how genetic material is passed on from generation to generation.

Learning outcomes

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

- understand that genes are the units of inheritance for individual characteristics and also may contribute to susceptibility to certain diseases
- understand the number of chromosomes that make up the human genome and where they are located within the cell
- understand something of the immense scale of the human genome project
- understand how gametes are produced by the process of meiosis and how the full complement of 46 chromosomes is restored at fertilisation
- understand the role of the X and Y chromosomes in determining sex and how they are inherited.

Completed study

The learner has completed the following:

Section 1

Overview