

Worksheet: The History of Genetics



Q1: Who successfully constructed an image of DNA using X-rays and had their work shared without their permission?

- A Maurice Wilkins
- B Rosalind Franklin
- C Francis Crick
- D James Watson
- E Gregor Mendel

Q2: Who published the theory that the structure of DNA was a double helix?

- A Mendel and Darwin
- B Darwin and Franklin
- C Watson and Holmes
- D Watson and Crick

Q3: Mendel carried out experiments to determine how characteristics were inherited. How did he do this?

- A Mendel planted different species of plants together to see if they would reproduce.
- B Mendel crossed male and female gametes between plants and grew the offspring.
- C Mendel took cuttings from different plants and grew them elsewhere.
- D Mendel crossed male and female gametes between rats and raised the offspring.
- E Mendel crossed the flowers between plants and observed what happened.

Q4: Who had their ideas published first, Mendel or Darwin?

- A Mendel
- B Darwin

Q5: What piece of equipment was used by scientists to view chromosomes and provide evidence to support Mendel's ideas?

A Magnifying glasses

B Electron microscopes

C Telescopes

D Light microscopes

E Computers