

SCIENCE
TECHNOLOGY
MEDICINE

DOCUMENTARY
30 MIN.



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The Molecular Universe

Chemistry shapes our everyday lives more than any other branch of science. It safeguards the supply of power and thus prosperity, devises new concepts for solar cells and hydrogenpowered cars, develops tiny nano-machines and new types of medicine, and in the laboratory lays bare the secrets of life. Many of today's revolutionary inventions are not yet ready for marketing. But soon, new, intelligent materials will change our everyday lives.

What will the world of tomorrow look like? Where will we set limits to growth? How do the life systems on our planet function? The series **The Molecular Universe** reports on the astonishing discoveries made by modern-day chemists. It centres on the researchers and visionaries who fight famine and disease, develop clean forms of power generation, and focus on ensuring the continued existence of life on Planet Earth. The Molecular Universe takes viewers on an adventurous journey through the laboratories of the chemical industry and presents new research findings. The series is an exciting scientific voyage into unknown worlds and a look at the future.

01 Mere Chemistry?

The first film in the series The Molecular Universe shows in exciting reports how modern life, including our leisure activities, would be inconceivable without synthetic materials and developments from chemical laboratories.

02 Mother Earth – A Chemical Laboratory

The second film in the series The Molecular Universe takes a thrilling look at power generation in the future. Energy is the life blood of our modern world.

03 Taking Nature as a Model

The third film in the series The Molecular Universe looks at the work of researchers who base their work on systems found in Nature.

04 Genetic Discoveries

The fourth film in the series The Molecular Universe takes a trip into the realm of new medicines and food plants.

05 Magic Materials

The fifth film in the series The Molecular Universe explores the link between chemistry and everyday life, aesthetics and magic, and illustrates how futuristic architecture is just as dependent on the work of chemists as modern art.

06 Shaping the Future

The final part in the series The Molecular Universe focuses on future applications for modern chemistry. Unpleasant tasks will be taken over more and more by intelligent materials, high-performance computers, and robots. They will make life easier, safer, and more environment-friendly.