

SCIENCE SCREEN REPORT

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1 EARTH SCIENCE: GLACIERS - RIVERS OF ICE

Every forty thousand years, earth's orbital position is at its most extreme distance from the sun. It was at this point that our last Ice Age occurred. Evidence of this glacial drive remains today. Follow the trail of ancient glaciers, discover relics of the last great Ice Age and observe the trek of today's glacier movements. Like seasonal rivers, they continue to flow as they alter, carry, or move anything that stands in their path. Running time: 14:55

2 CHEMISTRY: LIME - NATURE'S POLLUTION FIGHTER

One of earth's most primitive forms of early life was blue/green algae. As a result of photosynthesis, they released oxygen into the atmosphere changing life on earth forever. Over the eons algae secretion became the mineral limestone. When limestone is crushed and burned it becomes lime. Every year about 4 million tons of lime are used as filtering agents to directly preserve and protect our environment. Find out how lime, made from the ancient sea creatures who first gave our world oxygen, is helping, once again, to benefit humankind and the environment. Running time: 12:59

3 BIOLOGY: ECOLOGY OF THE HUMAN BODY

There are more organisms living harmoniously on the human body than there are people on earth. Our every action affects the world of these creatures. Wherever we go, what ever we do, we carry with us a complete and complex ecosystem. Our bodies are their forests, rivers and lakes. Explore the human body as a food source and habitat for other living creatures. Running time: 15:16

4 PHYSICS: SUPERCONDUCTIVITY FOR THE 21ST CENTURY

A superconductor is a substance capable of allowing electrical current to pass through it without resistance. This means no wasted energy. This can also create a means to store, distribute and use electricity efficiently and in hundreds of ways we have never been able to do. Some scientists say that high temperature superconductors could do as much to change our lives in the future as the transistor did in the 1960's. Running time: 11:29

5 CHEMISTRY AT WORK

The science of chemistry investigates the composition and properties of all things. It is a way of looking at our world at its most basic level. What chemistry takes apart however, it can also put back together again, in varying ways and varying measures. Through chemistry, we have been able to create a better world. From plastics to petroleum, pest control to fertile crops, light weight materials to lifesaving medicines, chemistry has made it all possible. See how we have used this science to control and change the environment and expand the world. Running time: 12:35

6 ASTRONOMY: THE BIG BANG - THE STORY OF OUR UNIVERSE

Space is expanding. With every second, like a giant balloon being inflated, the universe moves steadily outward. And with it, go the millions of galaxies, all moving away from each other at incredible speeds. Between 10 and 20 billion years ago, a climactic explosion occurred, and the seeds of suns and planets were sewn. Running time: 13:56

7/8 PHYSICS: DEFYING GRAVITY

Gravity, silent and invisible, is an ever present and formidable force. his program starts with an explanation of Newton's three laws of motion and gravity, and goes on to show how Archimedes' and Bernoulli's principles are ingeniously used by a diversity of plants, animals and machinery to defy the bonds of gravity. Running time: 26:40

