PLANTS AND PEOPLE

Plants were the earliest form of living things. 10 million years ago, they were in fully developed existence with stems, fruits and flowers, much as we know plants today.

Plants and people have since had a closely interwoven relationship. Plants satisfy every want and need of man: food, clothing, shelter, fuels, medicines, dyes, etc.

Of the 2 million plants estimated to be in existence, only 250,000 have been described.

Groups of plants	Types included	No. of species	Time of origin Millions of years ago
Angiosperms	flowering plants (monocots, dicots)	250,000	140 - 65
Gymnosperms	conifers, cycads	700	230
Pteridophytes	ferns, horsetails, club mosses, psilophytes	11,000	340
Bryophytes	liverworts, mosses	25,000	400
Algae	seaweeds	25,000	500
Primitive plants	blue green algae		3000 - 1000
Bacteria	bacteria	Billions	

This exhibition showcases the role of plants in the history of the lives of people with an en- phasis on their importance as a source of protection for them. Plants give us so much and take only the air we exhale from us.

THE FOOD FACTORY OF THE EARTH

Without plants, there is no life. All life forms need energy to live and work. The sun is the source of this energy. Plants trap the sun's energy in the form of chemical energy in their cells. This energy is then passed on to animals when they eat plants. Animals, in turn, eat other animals. Plants, fruits and insects have to be used to get this energy. Even carnivores, by feeding on herbivores eating plants, gain their energy from plants.

Plants for food

The earliest people ate wild fruits, mushrooms, nuts, roots and seeds. At the end of the Ice Age (about 10,000 years ago), people began to cultivate plants and domesticate animals. Agriculture began in the Middle East, Central America, China and India. Today, we depend on plants for our food. Plants are the source of food for the world's people. Animals are used for food and clothing by the Lapps. The Eskimos are the main ingredient of chocolate and drinking chocolate. The cacao tree produces a fruit from which the seeds are taken. The seeds are then fermented, dried, roasted and ground. The Aztecs of Mexico were the first people to drink cocoa. They used it as a drink for the rich.

Rice is the staple food of more than half the world's population and was first cultivated in Southeast Asia over 7,000 years ago. It is a tropical cereal crop.

Potato is the world's most widely grown vegetable. Rich in starch, proteins, vitamins and minerals, it originated in the Andes of South America.

Tea is made from the tea bush. Leaves, edible roots packed with starch. Even the leaves can be boiled as eaten. Native to South America, it was first cultivated in Sri Lanka in the 1870s.

Coffee is made from the roasted and ground seeds of the coffee tree. Native to Africa about 12,000 years ago. The Aztecs, Mayans and Inca civilizations survived on maize. Cornflakes and popcorn have the highest amounts of starch.

Maize is a cereal crop. Wheat, harvested for its seeds. Wheat and millet, like rice, are grown as a cereal crop. Yams vegetables of Indian origin cultivated widely are black-eyed beans, chickpeas, lentils and soya beans.

Plants for fuel Plants are a standard food. Plants are the most delicious of plant foods. Naturally sweet and enriched with vitamins and minerals, they are the most delicious of plant foods. Naturally sweet and enriched with vitamins and minerals, they are the most delicious of plants