

The garden

N: We are surrounded by plants. There are different grasses and bushes and young trees of various size and color.

K: There is a swarm of tiny yellow butterflies flying around nervously. They are all assembling around a tall flower with a very long stem and a multitude of blooming lilac buds. Amongst them is one larger butterfly with a big black eye on its wing. The grasshoppers are making a lot of noise.

N: There is a tiny little frog. It looks very young. It is light green almost fluorescent. Everything is wet around it. A huge grey snake is slithering through the grass. It looks slimy and dangerous. There are bushes. Dark green bushes, no sunlight is reaching in between them those bushes. It is a black hole.

K: We enter the black hole. There are small plants softly glowing in the dark. They have fingerlike leaves, 10 to 12 of them. They are trying to catch the sun but there is no sun. Everything is moving here, worms and ants. The ants are marching in rows. They are carrying little pieces of wood and little pieces of leaves. And there are 5 ants carrying one dead ant.

N: Outside, a bird is landing onto a log. It has a blue head and a white chest and a black rim around the chest. It looks like it is wearing a tuxedo. The bird flies away, towards a pond. The pond is green and noisy, and there are long reeds growing out of the water reaching high up into the air. Their brown sponge like tips look like sleeping animals. In between the reeds here and there are some dark purple flowers in full bloom. And there hiding in the shadows a water spider is waiting for its prey.

K: There are lots of frogs. They are really loud! A little further around the pond there are sedges growing. Their huge heavy leaves are resting on the surface of the water. The water is crisp and clear. There are plants growing upwards from the bottom of the pond. We reach in to touch them. They feel like soaked moss.

N: A dragonfly is buzzing around

K: ...or maybe it is a miniature drone

N: We go and sit under the big tree just alongside the pond. Its bark is silver. There is red sap oozing out of its trunk.

Mushrooms

N: And there are mushrooms growing out of the trunk. Those white mushrooms that grow sideways because they don't have any stems. You know, the ones that look like seashells or coral. They are soft and wavy and they feel like tissue paper.

K: A few meters away is one mushroom with a white cap. I go on my knees to look underneath and I see that it is bright pink, on the top it is slimy and the edge is a bit frizzled and it is about this high and it stands there by itself alone.

N: Not so far away there is a mushroom that is plain white and it has a very delicate stem and a perfect round umbrella top with a little sprinkle of gold. It is grey underneath but I don't touch it because I think it might be dangerous.

K: And there is also this mushroom that looks like a shrivelled brain on a stick. It seems very dry. But when I touch it, it is actually full of juice and it smells like earth.

N: There are two conjoined mushrooms with hairy funnel-shaped caps. Their flesh feels like thick leather and smells sour.

K: And popping out of the ground there is a ball-shaped fungus. It has flaky skin, which is ripped apart at one place.

N: And there is another mushroom. It seems to glow almost radiate. Its cap is smooth and spotty.

K: And there is another mushroom, without a body. It looks like a cloud.

N: And there is another mushroom. It is really fat with a lot of holes like a sea sponge.

K: And there is another mushroom. It has a white and beautiful elegant stem and a red cap and on top of the red cap there are white dots.

N: And there is another mushroom. Black and grey and completely flat.

K: And there is another mushroom. It is bright orange and spreading out like a carpet.

N: And there is another mushroom. It is thin at the bottom but then at the top it flares out wide like trumpet.

N: And there is another mushroom. It is all violet and looks like a seacoral.

K: And there is another mushroom. Tall and skinny like a stick.

N: And there is a whole family of mushrooms. They all look exactly the same.

K: And there is a black mushroom. It looks like an old man.

N: And there is a red mushroom.

K: And there is a deep pink mushroom.

N: And there is a silky mushroom.

K: And there is an oyster mushroom.

K: And there is a pixie webcap.

And a dead man's finger.
And a wooden hedgehog.
And a cauliflower bolete.
And a Giant Polypore.
And a Coral tooth.
And a beach jelly disk.
And a horn of plenty.
There are all the mushrooms.

Plants

N: All the truffles.

The mosses.

The pepperworts.

The horsetails.

There are all the different sort of ferns.

Of creepers. Of nightshades.

There are wild grasses.

And herbs.

They all form the deepest cover of the earth.

K: There are all desert plants. Desert grasses. Desert trees. Desert succulents, with their spikes and their fleshy leaves.

N: There are bushes of various size and colors. There are hedges and climbing and twining and creeping vines.

K: There are fruits. The mango. The breadfruit. The papaya. The melons, The passion fruits. The star fruits. The limes. Lemons. Oranges. Clementines. The coconuts. The Tamarinds. The Jack fruit. The bananas. The apples, pears, cherries, plums, apricots, peaches and grapes.

And blueberries, blackberries, strawberries, cranberries, crowberries, gooseberries, huckleberries, salmonberries, Saskatoon berries, elderberries, nannyberries, sugarberries, Hackberries, Bilberries, whortleberries, juneberries, foxberries, wineberries, cloudberry, bayberries.

N: There are flowers. Orchidaceous flowers. Alpine flowers. Magnolias. There is the dwarf magnolia. There is the swamp magnolia. There is the fragrant magnolia, the sweet magnolia, the coconut magnolia, the Chinese evergreen Magnolia, the Mexican evergreen magnolia, the Cuban magnolia, the Dominican magnolia, and Henry's magnolias, and the pale magnolia, and the sister magnolia, and the shining magnolia. And the stellata magnolia the hermaphrodite aquatic plant known as water lily.

K: There are poisonous pitcher plants. waterwheel plants, Venus fly-traps. Some of the most dangerous flesh eating plants of the Amazonas.

N: There are mangroves, the amphibian trees, which live on the edge, one foot on land and one foot in the sea.

K: There are Mongolian poplars, Korean pine trees, Polish crooked trees.

N: There are Eastern Hemlocks, Western Junipers, date palms.

K: There are Bismarck palms, Vietnam Elms, Siberian cedars.

N: There are German oaks, Balsam firs, sugar trees.

K: There are old-growth forests, tropical forests and ancient woodlands.

N: There are cloud forests, temperate forests and rain forests.

Animals

N: There are animals: birds, fish, four footed beasts, insects and reptiles.

K: There are invertebrates. There is the family of the jellyfish. There are sponges that live without organs. There are corals that remain static throughout their lives. There are sea spiders and horseshoe crabs, which are regarded as living fossils.

N: There are South African mollusks. There are the mollusks of the Netherlands. There are the oysters of the island of Corsica, the so-called mechanical poisons of mussels, the sword razor clam, the giant red callista clam. There are 24 species of shorttailed crabs in the Red Sea.

K: There are blood red sea slugs, fluorescent and neon sea slugs. Spherical Sea cucumbers, green serpent stars.

N: And the freshwater octopus its arms are shaped like horns and the North Pacific giant octopus, discharging black ink as it jets away and the common octopus, one of the most intelligent animals housing the oceans.

N: And there is fish: ray fish, jawless fish, the dogfish and its relative the ratfish, the catfish, the lizardfish, the lanternfish, the dragonfish, the starfish, the knifefish, the needlefish, the squirrelfish, the pipefish, the flatfish, the scorpionfish. There is the red lionfish. It attacks at dusk. There are sharks: the great white shark, the nurse shark, the velvet belly shark, the tiger shark, the hammerhead, the black Chimaera, the deep sea shark of the subtropical seas.

K: The Blue Whale, the largest animal ever known to have lived. And there are elephant seals and sea lions inhabiting the oceans. There is the dark eye of the polar bear. And the enormous Arctic seal called walrus.

N: There are lizards, and dragons, and chameleons, and geckos and iguanas. There are 37 species of giant mole salamanders in western North Africa. There are aquatic salamanders and lungless salamanders, which breathe through their skin. And then there are skinks. Did you know there are 1400 species of skinks? The fire skink, the emerald skink, the little brown skink, the common garden skink, the red-throated rainbow skink, the black-mountain rainbow skink, the sandfish skink, the solomon islands skink, the Percival lance skink, which has no limbs and looks like a snake.

K: Snakes, boas, vipers, many cobras. There is the monocle cobra. There is the Egyptian cobra, and colubrids, and asian pipesnakes, and seasnakes, and pythons, and threadsnakes, and mambas, and sunbeam snakes, and treesnakes, and adders. There is the puff adder, the anaconda and the central American coral snake. There is the rattlesnake. There is the yellow ratsnake.

N: Badgers. Otters. Racoons. Lamas. Camels. Horses. Zebras. Donkeys. Mules. Hogs. European and Northern American deer. The moose. The reindeer. The cavern bear. The brown bear. The bovids recognizable by their horns: The nocturnal antelope of North-East Africa, the Central Asian Buffalo called Yak, the Texan Longhorn, the bicolored saharan gazelle.

K: The hyraxes, the primary terrestrial herbivores of the old world. And the white rhinoceros, the mild tempered vegetarian of the African plains. The savannah elephant, the largest living land animal. And the central African okapi with its long neck and its flexible blue tongue.

N: Primates: baboons and gorillas and the Bornean Orangutan, and the Venezuelan red howler monkey, which can be heard several kilometres away. All the black monkeys of Central and South America. And the black-bearded Uakari of the Amazon basin.

K: The melanistic leopard of the amazon, also known as the black panther. European wild cats, Persian cats, fishing cats and pumas and hyeanas and tigers, lions, jaguars and lynx. All the ferocious carnivores.

N: Bears.

K: Wolves.

N: Foxes.

K: Rats.

N: mice.

K: Parasitic wasps.

N: Termites.

K: Cockroaches.

N: Mosquitos.

N: Ticks.

K: Fleas.

N: Lice.

K: Flies.

N: Fireflies

K: Dragonflies.

N: Scorpionflies,

K: Stoneflies

N: Sawflies.

N: Bugs. True bugs. Wart-headed bugs. Leafhoppers. Thorn bugs. European tortoise bugs. Common flower bugs. Burch bag bugs. Red Bugs. Toad bugs. Saucer bugs. Giant water bugs. Fire bugs. Forest bugs and white spotted assassin bugs. Insects. Spiders. True flies. Beetles.

K: The violent beetle, the soldier beetle, the jewel beetle, the ant beetle, the great diving beetle, the pollen beetle, the click beetle, the screech beetle, the stag beetle, the sexton beetle, the minotaur beetle, the rhinoceros beetle, the Hercules beetle, the Goliath beetle.

N: The birds.

K: The bee-eaters and the Ant Thrushes.

N: The family of the flamingos

N: The nocturnal birds of prey.

K: The australian night-parott

N: The Tanzanian scavengers with their pink neck and white collar.

K: The crystal blue plume of the southern crowned pigeon

K: The buzzards and vultures.

N: All the birds of China.

K: All the birds of East Africa, the Nile sources, the coasts of the Red Sea.

N: The brilliant birds of Brazil.

K: The birds of Madagscar and the neighbouring islands.

K: All the birds of America.

N: The penguins. The keen eye of the king penguin.

N: The blue green paradise bird

K: The travels of the blue bird

N: The ovenbirds

K: The butcherbirds

N: The mocking birds

N: The leafbirds
N: The blackbirds
N: The sunbirds
K: The crested chest of the serpent eagle
K: The waders
N: The divers
K: The pomarine jaeger
N: The woodpecker
K: The honeycreeper
K: The Australian treecreeper
N: The petrels and shearwaters
K: The storks
N: The albatross
K: The gull
N: The seagull
K: The glaucous gull
K: Little auk
N: Crested auklet
K: Cuckoo
N: Cockatoos
N: Namaqua
N. Parakeet
K: Kittiwake
N: Razorbil
K: Dove
N: Quail
K: Owl
N: Skua
N: Auk
K: Gull

K: There are fossil dinosaurs, fossil birds, fossil fish, fossil reptiles, fossil gastropods, fossil oysters, fossil nautiloids, fossil wood, fossil herbs, fossil coral.

N: The earth's crust is formed of many canyons, mountain ranges, volcanic plugs, caves, cracks and diluvial grael. The Tundra. The Taiga. The prairies. The deserts. The rainforests. The glaciers. They are igneous rocks and sedimentary rocks and metamorphic rocks and archaic rocks. Quartz, onyx, stalagmites, stalactites, calcite, granite, slate, shist, chalk.

Knowledge

I know the taxonomy, the principles of the classification of life.

I know the origin of species by means of natural selection, or the preservation of favoured races in the struggle of life.

I know the fallacies of the theories of Mr. Darwin.

I know the natural history of Buffon in 36 volumes.

I know the discoveries of Anthony van Leeuwenhoek in many of the works of nature.

I know the Zoological philosophy of Lamarck anticipating modern tree of life diagrams.

I know Humboldt's Aspects of nature.

I know the work of Jean-Baptiste Robinet.

I know the vertebrate paleontology of Georges Cuvier

I know Mr. Haeckels phylogenics.

I know the nature of limbs.

I know the system of domains.

I know the system of kingdoms.

I know the system of dominions.

I know the principles and techniques of contemporary taxonomy.

I know the promise of a DNA taxonomy.

I know the trinomial nomenclature.

I know interpretations of fossil evidence to create accurate images of deceased species.

I know the reptile collection of the British Museum.

I know the catalogue of the New York Natural History Museum.

I know 25 species of Boa in the Viennese Natural History Museum.

I know the DNA tissue collection of the Berlin Natural history Museum.

I know the wildlife sound recording collection from the RGS in London.

I know Lonesome George, the world-famous Galapagos tortoise.

I know entire collections of extinct animals.

I know the human.

I know the indigenous races of the earth.

I know the history of the antediluvian man.

I know the natural varieties of Mankind

I know the character of man of different origins and ages.
I know the proportions of the human stature.
I know the theory of the unequal aptitude of different human tribes for higher intellectual evolution.
I know the Moral and Intellectual Diversity of Races.
I know a study on skulls, brains and the soul of man and of animals.
I know craniometry, the examination of the human skull.
I know the different skulls of human races.
I know a history physiology
I know physiognomy
I know phrenology
I know anthropometry
I know paleoanthropology.
I know the doctrine on the proportions of the human body.

I know a history of Anatomy
I know the Anatomy of Dr Nicolaes Tulp.
I know a history of medicine.
I know all the systems of the human body.
I know a history of anesthetics.
I know a history of paediatrics.
I know a history of geriatrics.
I know the first human heart transplant.
I know the first blood bank.
I know advances in stem cell therapy.
I know advances in chemotherapy.
I know advances in artificial insemination therapy.
I know pathologies.
Anatomical pathologies.
Clinical pathologies.
Molecular, oral and maxillofacial pathologies.
I know psychopathologies.
Forensic pathologies.
I know genetics.
I know the human genome project.

I know Gardner's Principles of genetics.
I know the principles of population genetics.
I know the genetics of bacteria and their viruses.
I know the genetics of Human Social Behavior.
I know the genetic studies of Jews, the spark identity debate.
I know the study of behaviour and mental processes.
I know the Physiological Psychology of Wilhelm Wundt.
I know the theories of Ivan Pavlov.
I know Ebbinghausen's pioneering studies on memory.
I know the beginnings of western psychology.
I know the unconscious mind.
I know contemporary cognitive psychology.
I know anthropology.
I know ethnology.
I know ethnography.
I know sociology.
I know theories of social inequality.
I know studies on social mobility.
I know social psychology.
Social demographics.
Social politics.
Social medicine.

I know the fundamental theorem of Algebra.
I know the cartesian coordinate system.
I know Archimedes' Buoyancy principle.
I know the heliocentric theory.
I know the universal law of gravitation.
I know the law of cosmic expansion.
I know the laws of planetary motion.
I know Newton's Law of motion.
I know the motion of molecules.
I know Marie Curie's treatise on radioactivity.
I know Heisenberg's Uncertainty principle.
I know the Quantum theory.

I know the general relativity.
I know the special relativity.
I know the evolutionary game theory.
I know the holographic principle of string theory.
I know the quantum game theory.
I know the General System Theory.
I know the Mathematical Theory of Communication.
I know Norbert Wiener's scientific study of control and communication in the animal and the machine.
I know the Mathematical Analysis of Logic.
I know the information theory of Claude Shannon.
I know the actor network theory.
I know the spanning tree protocol.
I know tree and hypertree networks.
I know pathfinder networks.
I know semantic networks.
I know social networks.
I know electrical networks.
I know neural networks.
I know ecological networks.
I know global shipping networks.
I know the network effect.
I know the network flow.
I know the Wealth of Networks.

I know the Wealth of Nations.
I know the Birth of a nation.
I know the limits of growth.
I know the Great Transformation.
I know the Great Acceleration.
I know New Keynesian Economics
I know Wage labour and Capital.
I know Monetarism.
I know the favorable balance of trade.
I know the fat fingers syndrome.

I know take offs, takeouts, takeovers.
I know target firms, the target prices, target zones.
I know interpretations in Macroeconomics
I know interpretations in Microeconomics
I know margin stocks.
Margin agreements.
Margin costs.
Margin calls.
I know the economics of Welfare.
I know the economics of Midfare.
I know the economics of Airfare.
I know the economics of Warfare.
I know the Economics of the Coming Spaceship Earth

I know the general structure of the Earth.
I know the origin of the moon und the early history of the Earth.
I know the Paleocene.
I know the Eocene.
I know the Oligocene.
I know the Miocene.
I know the Pliocene.
I know the Pleistocene.
I know the Holocene.
I know the hypothesis of the Anthropocene.
I know the thesis of the Anthropocene.
I know petrology.
I know stratigraphy.
I know glaciology.
I know seismology.
I know the petrography of crystallography.
I know geochemistry.
I know cosmochemistry.
I know the Geology of Metallic and Nonmetallic Ore Deposits.
I know the geotectonic history of the Gulf of California.

I know the first commercial electric telegraph.
I know the first transatlantic cable.
I know the first Radiotelephone.
I know the first ship to cross the Atlantic.
I know the first successful railway locomotive.
I know the first Commercially successful typewriter.
I know the first atomic bomb.
I know spinning Jenny.
I know cruise controls.
I know remote controls.
I know water frames.
Water heaters.
Water based fuels.
Water fountains and coolers.
Water wheels.
Water mills.
I know liquid paper.
I know liquid metal.
I know Calcium Carbide processes.
I know fiber optics.
I know contact Lenses.
I know artificial hearts.
Legs.
Grass.
Pets.
I know silicon powder.
I know the golem.
I know anthropomorphic creatures.
I know mystic creatures.
I know a fabulous composite beast, part horse - part lion.
I know flying creatures of many kinds.
I know the mythical sea bishop.
I know the monster of Krakow.
I know how to approach a monster.
I know robotic hands.

I know android hands.
I know synthetic biology.
I know Biotechnology.
Bioinformatics.
Biorobotics.
Bionanotechnology
I know nanoparticles
I know microplastics
I know plastic particle water pollution
I know the Great Pacific Garbage Patch
I know chemicals and polymers
I know new fertilizers
I know military drones.
I know green roofs.
I know Computer Games.
Computer keyboards
Computer peripherals
Computer printers
I know computer banking
I know Microchips
Microphones
Microprocessors
Microsoft
Microwaves
I know the economy's overall productive powers.
I know how to extract tar
I know how to extract coal
I know how to extract oil
I know how to find gold
I know how to find iron
I know how to find silver
I know the leakage of open mining pits
I know hydraulic fracturing.
I know Powerisers.

I know the romance of oil.
I know the curse of oil.
I know Polyester.
Polygraph.
Polystyrene.
Polyurethane.
Plastic rocks.
Plastic fossils.
Plastic corals.
I know gliders.
Snowblowers.
Snowmaking machines.
Shoemaking machines.
Voting machines.
Sewing machines.
Vending machines.
I know Perpetual motion machines.
Scanning and sorting Machines.
I know the organic machines of Nature.
I know Future Material Needs.
I know Super seekers.
I know diggers and searchers.
I know the mass extinction of coral.
I know the mass extinction of bats.
I know the mass extinction of forests.
I know about mars rises.
Saturn returns.
Earth transitions.
I know the old and the new.
I know methane gas eruptions.
I know solid particles hovering in liquid suspension.
I know various conditions of flux and flow.
I know the perfect ecosystem.
I know the paradise of the living.

I know the human and the nonhuman.

I know the science of Gaia.

I know a strand of DNA.

I know a strand of an electron

I know a strand of a snowflake

I know a strand of an ant.

I know a strand of a fish.

I know a strand of a human.

I know solar energy.

I know ice energy.

Bio energy.

Wind energy.

Nuclear energy.

I know biotic resources.

Potential resources.

Renewable resources.

I know the movement of fluids.

I know the movements of particles.

I know fire.

Flames.

Aerosols.

Plasma.

Fields.

Forces.

Fluids.

Beams.

Fluids.

Energy.

Fluids.

Reflection.

Inference.

transmissions.

Drops.
Currents.
Vapor.
Ray.
Grains.
Streams.
Drift.
Turbulence.
Evaporation.
Volatilization.
Molecules.
Breath.
Odor.
Light.
Cells.
Sand.
Dust.