DROUGHT FOOD AND AGRICULTURE ORGANIZATION

Download Complete File

What is Food and Agriculture Organization do? Mission. FAO's mandate is to improve levels of nutrition, agricultural productivity and sustainability, and the quality of life of rural people, and to ensure global food security.

Who funds the Food and Agriculture Organization? FAO receives 100 percent of its funding from its member countries.

Where is the Food and Agriculture Organization located? FAO Headquarters location The FAO Headquarters is located in the city centre of Rome, near the Circo Massimo and close to the Colosseum. It's a lofty white building that is easy to recognize.

Which country is Food and Agriculture Organization?

What are the criticism of the FAO? The experts also criticised the FAO report for its failure to mention the "One Health" approach, which connects human, animal and environmental health, despite the FAO being part of an initiative with the World Health Organization, the World Organisation for Animal Health, and Unep to support the implementation of the ...

What is the function of the Food and Agriculture Organization? The FAO has four principal functions: to offer technical assistance, to collect and analyze statistical data, to make recommendations to governments on agricultural policies, and to act as an international technical forum where States and international organizations can debate food and agricultural issues.

What are the three main goals of the FAO? Established in 1945, the FAO's three main goals are: the eradication of hunger, food insecurity and malnutrition; the elimination of poverty and the driving forward of economic and social progress for all; and the sustainable management and utilization of natural resources, including land, water, air, climate and ...

Where is the headquarters of FAO? In addition to its Headquarters in Rome, Italy, FAO has an extensive decentralized network of Regional, Subregional, Country and Liaison Offices.

What are the benefits of the FAO? Our mandate is to improve nutrition, increase agricultural productivity, raise the standard of living in rural populations and contribute to global economic growth.

What is the address of the Food and Agriculture Organization?

What has the FAO accomplished? produced globally-agreed upon guidelines on tenure rights to ensure equitable access to land, fisheries and forests; helped halve the number of hungry in Latin America and the Caribbean; and promoted the Right to Food as a human right guaranteed in constitutions and frameworks of over 30 countries

What is FAO in business? abbreviation for for the attention of: written on a business letter or document to say who you want the letter to be read by: On the envelope was written "FAO Hal Bennett". the FAO.

What does the United Nations food and agricultural organization do? The Food and Agriculture Organization (FAO) is a specialized agency of the United Nations that leads international efforts to defeat hunger. Our goal is to achieve food security for all and make sure that people have regular access to enough high-quality food to lead active, healthy lives.

Is FAO a government organization? Introduction. The Food and Agriculture Organization (FAO) is a United Nations agency focused on defeating world hunger. The FAO aids developing countries in modernizing and improving agriculture, forestry and fisheries practices and ensuring good nutrition.

How does FAO work? FAO supports governments and partners to design the right policies and programmes to end hunger, promote food security and promote sustainable agriculture for millions of people around the world. FAO works with governments and partners to empower some of the world's most marginalized people to end rural poverty.

Is FAO credible? As the lead UN agency for food security, FAO plays a unique role as a neutral forum, providing unbiased, high-quality information across all areas relating to food, agriculture and sustainable natural resources management in a variety of formats and across several languages.

What is the FAO risk ranking? Food safety risk ranking is the systematic analysis and ordering of foodborne hazards and/or foods in terms of public health risks, based on the likelihood and severity of adverse impacts on human health in a target population.

What are the weaknesses of the FAO? FAO was too centralized, with a large proportion of staff based at headquarters and therefore remote from the complex problems experienced in the field.

Is FAO a humanitarian agency? FAO helps crisis-affected and at-risk populations to withstand future shocks by embedding resilience-building within humanitarian activities.

How is the Food and Agriculture Organization funded? FAO's overall programme of work is funded by assessed and voluntary contributions.

What is the motto of the FAO? According to Hambidge (1955), "Fiat panis" (Let there be bread) was selected as the FAO motto by the first Director-General, Sir John Boyd Orr.

What is the difference between FAO and WFP? WFP looks to cover immediate food needs, while FAO provides the basics for longer-term recovery and self-sufficiency.

What is the FAO agenda? Focus on Sustainable Development Goals FAO's contributions span all SDGs, and are guided by the lens of SDG 1, SDG 2, and SDG

10. FAO Strategic Framework 2022-31 embraces the five basic principles that feed into all SDGs – the 'five Ps': people, planet, prosperity, peace, and partnership.

What is FAO for a world without hunger? FAO's imperative is to make sure no one suffers from hunger. Yet, while many people may not be "hungry" in the sense that they are suffering physical discomfort caused by a severe lack of dietary energy, they may still be food insecure.

What does food and Agriculture do? The California Department of Food and Agriculture strives to support this tradition of innovation and agricultural diversity by working with private industry, academia and public sector agencies. These partnerships allow the department to adapt public policy to a rapidly changing industry - California agriculture.

What are the three main goals of the FAO? Established in 1945, the FAO's three main goals are: the eradication of hunger, food insecurity and malnutrition; the elimination of poverty and the driving forward of economic and social progress for all; and the sustainable management and utilization of natural resources, including land, water, air, climate and ...

What does FAO mean in business? abbreviation for for the attention of: written on a business letter or document to say who you want the letter to be read by: On the envelope was written "FAO Hal Bennett". the FAO. noun [S]

What foods are the responsibility of the USDA and why? The Food Safety and Inspection Service (FSIS) of the United States Department of Agriculture (USDA) is responsible for overseeing the inspection of meat, poultry, eggs, processed egg products, and catfish for Hazard Analysis.

What are the objectives of the Food and Agriculture Organization? The Food and Agriculture Organization (FAO) is a specialized agency of the United Nations that leads international efforts to defeat hunger. Our goal is to achieve food security for all and make sure that people have regular access to enough high-quality food to lead active, healthy lives.

What is the CDFA grant? The California Department of Food and Agriculture (CDFA) conducts an annual competitive solicitation process to award Specialty Crop

Block Grant Program (SCBGP) funds to projects that enhance the competitiveness of California specialty crops.

What are the duties of the USDA? What We Do. We provide leadership on food, agriculture, natural resources, rural development, nutrition, and related issues based on public policy, the best available science, and effective management.

Is FAO a government organization? Introduction. The Food and Agriculture Organization (FAO) is a United Nations agency focused on defeating world hunger. The FAO aids developing countries in modernizing and improving agriculture, forestry and fisheries practices and ensuring good nutrition.

Who funds the FAO? FAO's overall programme of work is funded by assessed and voluntary contributions. Member countries' assessed contributions comprise the regular budget, set at the biennial FAO Conference.

Where is the headquarters of the Food and Agriculture Organization? In addition to its Headquarters in Rome, Italy, FAO has an extensive decentralized network of Regional, Subregional, Country and Liaison Offices.

How does FAO work? FAO supports governments and partners to design the right policies and programmes to end hunger, promote food security and promote sustainable agriculture for millions of people around the world. FAO works with governments and partners to empower some of the world's most marginalized people to end rural poverty.

What is the function of Food and Agriculture Organization? Our mandate is to improve nutrition, increase agricultural productivity, raise the standard of living in rural populations and contribute to global economic growth.

What is the motto of the FAO? According to Hambidge (1955), "Fiat panis" (Let there be bread) was selected as the FAO motto by the first Director-General, Sir John Boyd Orr.

What temperature is the danger zone? The "Danger Zone" (40 °F-140 °F) This range of temperatures is often called the "Danger Zone." That's why the Meat and Poultry Hotline advises consumers to never leave food out of refrigeration over 2 hours. If the temperature is above 90 °F, food should not be left out more than 1 DROUGHT FOOD AND AGRICULTURE ORGANIZATION

hour.

How far off the floor should food be stored? Store all food and supplies at least 6 inches off the floor. Keep food in original containers or labeled containers approved for food storage. Use the First In, First Out (FIFO) method of inventory rotation. Dating products and storing new products behind old products will make FIFO easy to follow.

Do eggs need to be USDA certified? Inspection, for wholesomeness, is mandatory but grading, for quality, is voluntary. If companies choose to have their eggs graded, they pay for this USDA service. The USDA grade shield on the carton means that the eggs were graded for quality and checked for weight (size) under the supervision of a trained USDA grader.

The Molecular Basis of Cancer: A Q&A

Question 1: What is cancer? Answer: Cancer is a disease that occurs when cells in the body begin to grow and divide abnormally. Cancer cells can invade and damage nearby tissues and organs, and they can also spread to other parts of the body, a process known as metastasis.

Question 2: What causes cancer? Answer: Cancer can be caused by a variety of factors, including genetic mutations, exposure to environmental toxins, and infections. Genetic mutations can occur spontaneously or be inherited from parents. Environmental toxins, such as tobacco smoke and asbestos, can damage DNA, leading to mutations that can contribute to cancer development. Certain infections, such as human papillomavirus (HPV) and hepatitis B virus (HBV), can also cause cancer.

Question 3: What are the different types of cancer? Answer: There are many different types of cancer, each named after the organ or tissue in which it originates. Some of the most common types of cancer include lung cancer, breast cancer, prostate cancer, and colon cancer.

Question 4: What is the molecular basis of cancer? Answer: Cancer is a molecular disease, meaning that it is caused by changes in the DNA of cells. These changes can lead to the activation of oncogenes, which are genes that promote cell

growth and division, and the inactivation of tumor suppressor genes, which are genes that inhibit cell growth and division.

Question 5: How is cancer treated? Answer: There are a variety of treatment options for cancer, including surgery, chemotherapy, radiation therapy, and targeted therapy. Surgery is used to remove cancerous tumors from the body. Chemotherapy uses drugs to kill cancer cells. Radiation therapy uses high-energy radiation to kill cancer cells. Targeted therapy uses drugs to block the growth and spread of cancer cells.

What is the difference between cursor 10 and cursor 13? Cursor engines are characterized by a wide range of torque (400 rev / min), which was followed by a field of constant maximum power of 500 rev / min on the Cursor 10 and almost 400 rev / min on the Cursor 13. The new Cursor 13-540 so delivers the maximum power already at 1600 rev / min.

Who makes the cursor engine? CURSOR family is FPT's flagship engine series for off-road, designed to provide high performance for applications with highly intensive missions, ensuring low operating costs and maximum productivity.

Where is the engine number on the Iveco cursor 13? ENGINE TECHNICAL DATA CURSOR 13 TE1/TE2/TE3 The technical code and serial number are indicated on a plate, which is located on different parts of the engine, according to the model: flywheel casing, tappet cover, other.

What engines are in Iveco trucks? Stralis trucks and tractors are powered by the straight six Cursor 8 and Cursor 10 engines. The Cursor 8 has three power outputs: 273 Hp (200 kW), 310 Hp (228 kW) and 350 Hp (259 kW). The Cursor 10 comes in two versions: 400 Hp (294 kW) and 430 Hp (316 kW).

Why is it called a cursor? A cursor is the position indicator on a computer display screen where a user can enter text. It is also known as a "caret." The word cursor comes from the Latin word "cursorem," which means runner.

What is the best size for a cursor?

Are cursor engines good? Cursor Series engines, delivering maximum power output from 310 to 600 HP, represent the best solution for long-distance and heavy-

duty trucks over 16 tons of Gross Vehicle Weight. The Cursor family also offers two natural gas versions for minimum emissions. it significantly reduces engine noise.

Who makes the M270 engine? Mercedes-Benz M270 engine.

Who makes the MZ202 engine? Anhui Fiate Aviation Co., Ltd. Compact Radial Engines Inc. The MZ202 is a fan air cooled, reed valve controlled 2-cylinder-inline-2-stroke engine with two carburetors and Nikasil coated cylinders. It has one of the highest power to weight ratio available on the 63 HP engine market.

Who makes Iveco engines? In 2004, the Iveco Motors brand was introduced, which became an umbrella for the production of engines; the following year, it was incorporated into the newly founded Fiat Powertrain Technologies. At the end of 2004, an agreement was reached between Iveco and the Chinese company SAIC Motor to form SAIC Iveco Hongyan.

What is the engine range of the Iveco? The engine range includes 3 displacements and 9 power ratings ranging from 310 to 570 hp that deliver class-leading power and torque density. This gives Customers a "downspeeding" opportunity: We offer 11-litre engines where most competitors only propose 13-litre versions.

Which country made Iveco trucks? History of IVECO, the manufacturer of trucks made in Italy since 1975. Not everyone knows that, in reality, IVECO is an acronym. The company's full name actually stands for Industrial Vehicles Corporation. A company, in short, dedicated to the production of industrial vehicles.

Which is the best IVECO engine? The 2.3-litre diesel engine is our favourite – lveco offers it in 116bhp, 136bhp and 156bhp forms. The entry-level 116bhp version is certainly adequate, but its peak torque arrives a lot later than the other two units. Instead we would suggest the mid-range 136bhp option as our pick over the more powerful 156bhp model.

Do Ford own IVECO? 1975 - Foundation of the Iveco company. 1980 - Magirus Deutz sells its remaining share in Iveco (18%) to Fiat, and Iveco becomes a 100% subsidiary of Fiat SpA. 1986 - Purchase of the Ford UK Truck Division. Iveco takes over the Astra company of Piacenza, which manufactures construction site and

dumper trucks.

Does IVECO own Cummins? The IVECO was a joint Cummins Fiat engine - now all is owned by Fiat - Fiat traded cummins out of their interest for Cases interest in the CDC engine in the USA.

Why are there 2 mouse cursors? When you are connected to a computer in a remote session, there may be two mouse cursors because the "Show Remote Cursor" setting is enabled.

What are the different types of cursors?

How many pixels should a cursor be? Current versions of Windows support only 32x32 cursors. If you create larger or smaller cursors, they'll be automatically resized to 32x32 by Windows.

How do I choose a different cursor?

What is anodizing and electroplating? The technique of electroplating involves coating one metal on another metal surface, whereas anodizing involves thickening the naturally occurring oxide layer on the surface of the metal surfaces. This is the main distinction between the two processes.

What is the difference between electrocoating and anodizing? E-Coating involves coating an object with charged paint particles, anodizing forms a protective oxide layer on the surface of metals, and electroplating deposits a thin metal coating onto a conductive object.

What is the process of electroplating metal finishing? What Is Electroplating? Electroplating is the process of using electrodeposition to coat an object in a layer of metal(s). Engineers use controlled electrolysis to transfer the desired metal coating from an anode (a part containing the metal that will be used as the plating) to a cathode (the part to be plated).

What materials can electroplating and anodising be used on? The objects processed by the electroplating method are mainly metal or non-metal. The most commonly used plating metals are nickel, chromium, tin, copper, silver, and gold. Often referred to as nickel plating, chrome plating, gold plating, etc. Anodizing is a

method of metal surface treatment.

What does anodizing do to metal? Anodizing is a process that thickens the natural oxide layer on a metal part's surface into an anodic oxide film. This extra thickness protects the part's surface and improves aesthetics. Aluminum and titanium are the most commonly anodized metals, but other nonferrous metals can also undergo the process.

What metals cannot be anodized? Steel or stainless steel cannot be anodized.

What are the disadvantages of anodizing?

Why is anodizing so expensive? The higher cost is due to using more expensive materials, such as sulfuric acid, instead of chromic acid. It also has a higher energy consumption. Generally, the higher the anodizing type, the greater the anodizing aluminum cost.

Is e-coating the same as electroplating? Electrocoating differs from electroplating as it's performed by applying a free-flowing powder to a surface, then curing it under heat. Like electroplating, the coating is applied to metal surfaces for protective purposes.

How much does electroplating cost? The cost of palladium electroplating typically ranges from \$1 to \$5 per square foot, while gold, platinum, and silver plating typically costs only a few cents per square foot.

How do you clean metal before electroplating? Use Electrocleaning for Metal Substrate Preparation – A process known as "electrocleaning" is often used to prepare metal parts for plating. This technique entails connecting the parts to an electric lead from a rectifier and immersing them in an alkaline or another chemical solution.

Is electroplating permanent? The coating applied by electroplating is usually around 0.0002 inches thick. By creating a chemical bond, the plating is a permanent addition to the surface of the base metal. This means that it will not naturally fall off or separate. However, plating can be worn off over months and years of use and wear.

What Cannot be used for electroplating? All of the other metals listed, gold, silver, chromium, and copper, can be used to electroplate another metal as long as their reactivities are considered relative to the metal that is being coated. Therefore, the metal that could not be used for electroplating through the use of an aqueous solution is (D), sodium.

Why can't steel be anodized? The oxide layer added to aluminum during the anodizing process has the inverse effect on steel and ultimately creates rust. While you can anodize steel, it would do more harm than good. What you can do to stainless steel to make it more corrosion resistant is use a process called plating or conversion coating.

Which is better electroplating or anodizing? depending on the plated material and thickness, electroplating can increase the tensile strength of a metal by up to 20%. Anodizing on the other hand increases many other surface qualities like hardness and rust resistance but does not really improve the strength of a metal.

What are the problems with anodizing? Definition: During anodizing treatment, the local current density is too high, forming a burn-like appearance. Phenomenon: During anodizing treatment, the local concentration of current increases the temperature, and the film thickness increases, becoming whitened and powdery.

What are the 5 steps of anodizing? The anodizing process can be divided into five basic parts: preparing the surface, anodizing itself, cleaning the parts, adding colour and sealing the pores.

What is the best metal for anodizing? The best alloy is different depending on what anodising process is used and depending on what the end use of the component is, but by far the most common alloys that we see are 6061, 6082 and 6063. These are suitable for most applications with good corrosion resistance and anodisability.

Is e-coating better than anodizing? Intended Application: Anodizing may be better for corrosion and wear resistance, while e-coating may be better for achieving a specific color or texture. The Material: E-coating is primarily used on ferrous metals, while anodizing is primarily used on non-ferrous metals.

What is bad about anodized aluminum? The Downsides It's also not the most durable cookware, so keep in mind it doesn't have the same lifespan as stainless steel or cast iron. And while it can heat up quickly, which is a plus, it can easily burn foods (or the chef), so a watchful eye is required when using this type of cookware.

Which is stronger anodized or aluminum? The oxide layer that forms in the aluminum surface has ceramic properties, one of which is a heightened resistance to wear compared to the aluminum on its own. Anodized aluminum is better than untreated aluminum at resisting nicks and scratches, providing a more durable finish.

How long does anodizing last? Anodizing provides a thin aluminum oxide layer, which will deteriorate over time. Depending on the thickness and quality of the anodization, the surface should last 10-20 years.

What damages anodized aluminum? Highly abrasive, alkaline or acidic materials and chemicals, such as sharp metal tools, mortar, strong cleansers and muriatic acid, can damage even the most durable anodize finish. These damaging agents often can be found around anodized aluminum during building construction and routine maintenance.

How to tell if something is anodized? (Protip: a common way to determine if an aluminum part is anodized is to test the conductivity of the surface with a digital multimeter. If the part is not anodized, it will likely be conductive and have very low resistance.)

What is meant by anodizing? Anodizing is an electrochemical process that converts the metal surface into a decorative, durable, corrosion-resistant, anodic oxide finish. Aluminum is ideally suited to anodizing, although other nonferrous metals, such as magnesium and titanium, also can be anodized.

What is the simple definition of electroplating? Electroplating is basically the process of plating a metal onto the other by hydrolysis mostly to prevent corrosion of metal or for decorative purposes. The process uses an electric current to reduce dissolved metal cations to develop a lean coherent metal coating on the electrode.

What are the problems with anodizing? Definition: During anodizing treatment, the local current density is too high, forming a burn-like appearance. Phenomenon:

DROUGHT FOOD AND AGRICULTURE ORGANIZATION

During anodizing treatment, the local concentration of current increases the temperature, and the film thickness increases, becoming whitened and powdery.

What are the disadvantages of anodizing?

What does anodized metal look like? When left natural, anodized aluminum is a bright new silver color, and can be anodized in a way that leaves either a matte or bright finish. You also have the option to choose a custom texture like stucco, brushed, or pebble tone to give your product a unique look and feel.

Why is anodizing so expensive? The higher cost is due to using more expensive materials, such as sulfuric acid, instead of chromic acid. It also has a higher energy consumption. Generally, the higher the anodizing type, the greater the anodizing aluminum cost.

What are the 5 steps of anodizing? The anodizing process can be divided into five basic parts: preparing the surface, anodizing itself, cleaning the parts, adding colour and sealing the pores.

What are the disadvantages of electroplating?

How is electroplating used in real life? Electroplating improves appearance and functionality in many appliances and components around the kitchen. For instance, utensils, cutlery, pans, taps, and kettles. These all benefit from electroplating as it improve their looks and makes them easier to clean.

What is purpose of electroplating? Electroplating is primarily used to change the physical properties of an object. This process can be used to give objects increased wear resistance, corrosion protection or aesthetic appeal, as well as increased thickness. While electroplating may seem like advanced technology, it is actually a centuries-old process.

Why can't you anodize steel? The oxide layer added to aluminum during the anodizing process has the inverse effect on steel and ultimately creates rust. While you can anodize steel, it would do more harm than good. What you can do to stainless steel to make it more corrosion resistant is use a process called plating or conversion coating.

What is bad about anodized aluminum? The Downsides It's also not the most durable cookware, so keep in mind it doesn't have the same lifespan as stainless steel or cast iron. And while it can heat up quickly, which is a plus, it can easily burn foods (or the chef), so a watchful eye is required when using this type of cookware.

What damages anodized aluminum? Highly abrasive, alkaline or acidic materials and chemicals, such as sharp metal tools, mortar, strong cleansers and muriatic acid, can damage even the most durable anodize finish. These damaging agents often can be found around anodized aluminum during building construction and routine maintenance.

Which is better electroplating or anodizing? depending on the plated material and thickness, electroplating can increase the tensile strength of a metal by up to 20%. Anodizing on the other hand increases many other surface qualities like hardness and rust resistance but does not really improve the strength of a metal.

What are the hazards of anodizing? Skin Contact May cause serious chemical burns to the skin. Eye contact Causes serious eye damage. Immediate first aid is imperative. Acute and chronic health hazards May cause burns in mucous membranes, throat, esophagus and stomach.

Which metal is suitable for anodizing? Aluminum, aluminum alloys, magnesium, titanium and stainless steel can be anodized. Aluminum is by far the most common due to its high strength to weight ratio and availability. Anodized aluminum is capable of achieving many colors as dyes can be used to get the desired shade.

the molecular basis of cancer 4e, iveco cursor 13 engine specifications, electroplating anodizing and metal treatment hand

seat ibiza turbo diesel 2004 workshop manual ny sanitation test study guide mhealth from smartphones to smart systems himss series kawasaki x2 manual download philips intellivue mp30 monitor manual anatomy and physiology anatomy and physiology made easy a concise learning guide to master the fundamentals anatomy and physiology human anatomy human physiology human anatomy and physiology atlas of clinical gastroenterology moto guzzi bellagio workshop manual kelley blue DROUGHT FOOD AND AGRICULTURE ORGANIZATION

used car guide julydecember 2007 consumer water treatment plant design 4th edition prentice hall physical science teacher edition gateway 500s bt manual dieta vegana dimagrante esempio di menu settimanale control systems engineering 4th edition norman nise learn to knit on circle looms models of professional development a celebration of educators devadasi system in india 1st edition a taste of puerto rico cookbook the hours a screenplay foundations in personal finance chapter 3 test answer key indiana jones movie worksheet raiders of the lost ark libretto pediatrico regione campania mirrors and lenses chapter test answers canadian income taxation planning and decision making buckwold solution the member of the wedding the play new edition new directions paperbook god justice love beauty four little dialogues grade 5 unit 1 spelling answers

becomingacomputer expertin7 daysfullpack withmrrhp officejet5610 servicemanual emcomaximat v13manual sglourens nursingcollegefees chicagofire departmentexamstudy guideengineeringscience n2previousexam questionpaperdelta shopmasterbeltsander manualmercedesr500 manualrepair manualclubcar gasgolfcart howthegarcia girlslosttheir accentsbyjulie alvarezsummary studyguideintroduction tonetworking labmanual pearsoninterculturalcompetence 7theditionlustig 1997acura elexhaustspring manuagutbrain peptidesin thenewmillennium atribute tojohnwalsh byhiscollaborators schwintekslide outmanual reproductiveanatomy studyguide casiomanual 5146keeping thecuttingedge settingand sharpeninghand and powersaws authorharoldh paysonpublished onmay 2006fci fieldconfiguration programmanual dietlifestyle andmortality inchina astudy ofthecharacteristics of 65 chinesecounties zhongguode shanshisheng huofangshi hesiwang idlidosabatter recipehomemade dosaidlibatter cardiaccathlab rninternationaliso standard4161 hseviirstudy guideforgravetter andwallnausstatistics forthebehavioral sciencesthe sociologyof sportscoachingmahabharat forchildrenpart 2illustrated talesfrom indiathepsychology oflanguage fromdata totheory4th editionsimon and schuster crostics 112 vertex yaesuft 2800mservicerepair manualdownload husqvarnacb nmanual wheelhorse 417aparts manualunderstandingdental cariesfrompathogenesis topreventionand therapyconversionin englishacognitive semanticapproach