CHAPTER 8 AQUATIC BIODIVERSITY MULTIPLE CHOICE QUESTIONS

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Which environment contains 90% of all marine species? The coastal zone makes up only 10% of the oceanic environment, but it contains 90% of all marine species. Coastal zones are the most nutrient-rich life zones of the oceans. Coastal zones can be divided up into several different life zones.

What prevents coral reefs from surviving below the euphotic zone? These organisms need sunlight and moderate temperature to survive. That's why coral reefs, excluding deep-sea coral, can't survive below the euphotic zone.

Which of the following is not part of the saltwater or marine aquatic life zones? Inland wetlands are not part of the saltwater or marine aquatic life zones. These are aquatic ecosystems that are formed due to the presence of water in land depressions or where the water table is at or near the surface.

Which of the following is classified as a freshwater aquatic life zone? Freshwater ecosystem Freshwater ecosystems are a subset of Earth's aquatic ecosystems. They include lakes, ponds, rivers, streams, springs, bogs, and wetlands. They can be contrasted with marine ecosystems, which have a larger salt content.

Which 3 marine ecosystems has the highest biodiversity? These are coral reefs, seagrass beds and mangroves.

In which zone do 90% of all the marine species in the ocean live? These organisms form the base of food pyramids for many diverse aquatic ecosystems such as coral reefs, kelp forests and seagrass meadows. So it should not be a

surprise that about 90% of marine life is found in the Epipelagic Zone.

Why don t most coral species grow in the Aphotic zone? The corals' requirement for high light also explains why most reef-building species are restricted to the euphotic zone, the region in the ocean where light penetrates to a depth of approximately 70 meters.

Why most coral live in the photic zone? The best growing habitat for coral reefs is a clear-water photic zone less than 50 m deep where light shines down and microscopic algae can best provide photosynthesis for the corals. Corals can be found throughout the oceans, from deep, cold waters to shallow, tropical waters.

Which is a reason most corals live in shallow waters? Because photosynthesis requires sunlight, most reef-building corals live in clear, shallow waters that are penetrated by sunlight.

What is the difference between pelagic and littoral? Horizontal Zonation: Littoral and Pelagic. The nearshore area of a lake (littoral zone) differs from the offshore shore area (pelagic zone). The only group of autotrophs in the pelagic zone is the phytoplankton, which consists of very small algae that are suspended in the water column.

What is the difference between littoral and limnetic zone? The limnetic zone is the open and well-lit area of a freestanding body of freshwater, such as a lake or pond. Not included in this area is the littoral zone, which is the shallow, near-shore area of the water body.

Which marine zone has the highest biodiversity? The oceanic zone that contains the greatest biodiversity is the neritic zone. This zone supports coastal communities like coral reefs. Coral reefs are located in warm, shallow, tropical waters. These regions receive ample sunlight to support a booming producer population that can support an abundance of other animals.

What is the benthic zone in an aquatic biome? The benthic zone is the lowest ecological zone in a water body, and usually involves the sediments at the seafloor. These sediments play an important role in providing nutrients for the organisms that live in the benthic zone.

Where can photosynthesis occur in an aquatic ecosystem? The sunlit region near the surface in which photosynthesis can occur is known as the photic zone. The photic zone may be as deep as 200 meters in tropical seas, but just a few meters deep or less in rivers and swamps. Photosynthetic algae, called phytoplankton, live in the photic zone.

What is the relationship between aquatic and terrestrial ecosystems? Organisms and organic matter move back and forth between terrestrial and freshwater ecosystems and are consumed or die in one or the other, transferring energy and nutrients in a phenomenon known as a trophic subsidy.

Where do 90% of all marine creatures live? Although they make up only 10 per cent of the ocean, these shallow waters of coastal seas (within 230 km of land) are home to 90 per cent of all marine species. Here sunlight reaches the sea floor, so plants can grow.

What environment are most marine species found in? Most ocean life can be found in coastal habitats on the continental shelf, even if this area occupies only 7% of the total ocean area. Most of the open ocean habitats are found in the deep ocean beyond the edge of the continental shelf.

Where are the majority of all marine organisms found? Answer and Explanation: The majority of marine organisms are found in coastal areas, as opposed to open ocean or deep water habitats. Coastal areas receive more sunlight and are usually warmer than open ocean or deep water habitats.

What marine environment is home to 98% of known marine species? Explain why 98% of marine species are benthic. the ocean bottom contain habitat that marine species have adapted too, such as rocky, sandy, muddy environments at the bottom of the ocean. in contrast the pelagic environment is a uniform watery environment that is uniform and lacks variability.

What are essential drugs in Uganda? Essential drugs are those which satisfy the needs of the majority of the population and should therefore always be available in adequate amounts and appropriate dose forms. EDLU lists those essential drugs considered to be the most appropriate for use in the Uganda public health system.

What are the essentials of medicine?

What are the steps of management of essential drugs? The Medicines Management Cycle illustrates the main steps of effective management of medicines supply: selection, quantification and forecasting, procurement, storage, and distribution.

How are essential medicines made available in Zambia? Zambia has a three-tier public sector distribution system of essential drugs. Primary distribution of drugs and other health commodities from the capital city Lusaka to approximately 120 districts stores and hospitals is managed by a parastatal agency called Medical Stores Limited (MSL).

What drugs are commonly used in Uganda? Drugs that are commonly abused in Uganda include; alcohol, marijuana, and khat (mairungi).

What are the PrEP drugs in Uganda? However, while Uganda is still stuck with oral Truvada as the only PrEP option and only to be provided with prescription of a doctor, elsewhere countries are considering over the counter access of the drugs in addition to come up with other drug options for those that cannot tolerate Truvada.

What is the essential drug list? The concept of essential medicines was adopted by the World Health Organization (WHO) in 1977, and is defined as medicines: "that satisfy the priority health care needs of the population. They are selected with due regard to public health relevance, evidence on efficacy and safety, and comparative cost-effectiveness.

How do I get a list of my medications? Using a medication reminder app on a smartphone where you enter in the medications you take. Obtaining a medication list document from a healthcare provider's office. Downloading a blank medication list form online and filling it out.

What are the 20 emergency drugs lists?

What is medicine supply? Medicines and Supplies refers to all medicines, vaccines, products, and technologies at primary care facilities. Medicines and Supplies assesses the availability and affordability of appropriate, safe, effective, and

high-quality medicines and health products, including the appropriate regulation of such.

What is essential drug supply and management? The purpose underlying the study of the Essential drug supply system is to identify that those drugs that satisfy the health care needs of the majority of the population are available at all times in adequate amounts and in appropriate dosage forms, at a price the community can afford. Page 5. PHS 426. COURSE GUIDE.

What are the criteria for essential medicines? Essential medicines are those that satisfy the priority health care needs of a population. They are selected with due regard to disease prevalence and public health relevance, evidence of efficacy and safety and comparative cost-effectiveness.

How are medicines regulated in Uganda? In Uganda, legal provisions require marketing authorization (registration) for all pharmaceutical products on the market, however exceptions or waivers for registration do exist. Mutual recognitions mechanisms are in place that include WHO-EAC joint assessments.

Which country produce the best medicine in the world? The United States of America is the top pharmaceutical manufacturing nation in the world due to the high level of research and development. It is home to a number of leading pharmaceutical companies of the world.

What is the most common drug in Zambia? Young people in Zambia are notably consuming drugs, with the most abused being alcohol, cannabis, heroin, tobacco, codeine which is mostly accessed through a cough syrup called Benylin, and other concoctions such as 'volo', a combination of heroin and cannabis.

What documents do I need to travel to Uganda?

What is the drug law in Uganda? Uganda's latest legislative blow to public health, the Narcotics Law penalizes possession of illicit drugs with 10 to 25 years in prison. Trafficking—which encompasses everything from small sales to international export—is punishable with a life sentence.

What drugs are counterfeit in Uganda? According to reports from representatives of Uganda's National Drug Authority (NDA) – which regulates human and animal

medicines and is therefore at the front line of the fight against counterfeit drugs – around 10% of the country's medicines are estimated to be falsified.

What is the 95 95 95 strategy in Uganda? The UNAIDS 95-95-95 targets extend the 90-90-90 framework, incorporating additional priorities, such as meeting women's needs for HIV and sexual and reproductive health services, promoting person-centred combination prevention for people living with and affected by HIV, adopting an integrated approach to well-being and ...

What drugs are used for PEP in Uganda? PEP is a combination of three drugs. You take them once or twice a day for 28 days: For adults, the CDC recommends tenofovir, emtricitabine (these two drugs come in one pill), and a third drug, either raltegravir or dolutegravir.

What are the 4 PrEP pills a week? Skipping a dose or not taking PrEP regularly lowers the medications' ability to protect you. If you take the oral medication: Every day, your level of protection is around 99% 4 days a week, your level of protection is around 96%

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What drugs do pigs use in Uganda? In Uganda, pigs' feeds are being adulterated with the life prolonging drugs (ARVs) for people living with HIV/AIDS. This practice could breed antimicrobial-resistant HIV virus which could be harmful to pork consumers, since there is prior exposure to subtherapeutic levels of ARVs.

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The Standard Handbook of Engineering Calculations, authored by Tyler G. Hicks, is an indispensable resource for engineers and technical professionals across various disciplines. Its comprehensive collection of equations, formulas, and tables provides quick and accurate solutions to a multitude of engineering problems.

What is the Standard Handbook of Engineering Calculations?

The Standard Handbook of Engineering Calculations is a thorough reference guide that simplifies the process of solving complex engineering calculations. It covers a wide range of domains, including:

- Mathematics
- Mechanics and materials
- Thermodynamics and heat transfer
- Fluid dynamics
- Electrical engineering
- Chemical engineering

Why is it a Valuable Tool?

The handbook's concise and easy-to-follow layout makes it an invaluable tool for both practicing engineers and students alike. Its step-by-step explanations and numerous worked examples provide clear guidance for solving even the most intricate engineering problems. Furthermore, the handbook's extensive index and cross-referencing system facilitate quick and efficient navigation.

Question and Answer about the Handbook

Q: What are the key features of the Standard Handbook of Engineering Calculations?

A: The handbook features thousands of equations, formulas, and tables, covering a vast spectrum of engineering disciplines. Its comprehensive index and cross-referencing system make it easy to locate the necessary information.

Q: Who is the target audience for this handbook?

A: The Standard Handbook of Engineering Calculations is designed for practicing engineers, engineering students, and technical professionals who require a quick and reliable reference for solving engineering problems.

Q: Is it up-to-date with the latest engineering practices?

A: The handbook undergoes regular revisions to incorporate the latest advancements in engineering and ensure that it remains relevant to contemporary engineering practices.

Q: How does it differ from other engineering handbooks?

A: The Standard Handbook of Engineering Calculations stands out for its comprehensive coverage, user-friendly layout, and focus on practical calculations. Its wide-ranging content and detailed explanations make it a comprehensive and accessible resource.

Q: Is it suitable for use in different countries and industries?

A: The handbook is designed to be applicable across different countries and industries. Its use of metric units and SI standards ensures its compatibility with international engineering practices.

How to find missing length indicated? To find the missing length indicated, we can use the Pythagorean theorem, which states that in a right triangle, the sum of the squares of the lengths of the two legs (the sides adjacent to the right angle) is equal to the square of the length of the hypotenuse (the side opposite the right angle).

How do you solve for missing length?

What is the formula for finding length? Length = Perimeter ÷ 2 ? breadth. L = P 2 ? B. Similarly, then we'd wish to find the breadth of the rectangle. We need to subtract land from the perimeter divided by two.

How do you find the missing length when given the volume?

What are the formulas for length?

How to find the missing length in a rectangle?

How is length calculated? Measuring length means measurement of the length of any object with the help of measuring tools like a ruler, measuring tape, etc. For example, the length of a pencil can be measured in inches using a ruler. The height of students in a class can be measured using a feet scale.

What is used to find length? The length of any object can be found in either way such as using a scale (i.e., ruler), measuring tape and so on. These tools are generally used to measure the length of the given objects. Ruler is used for measuring small objects as the maxim length of an ideal ruler is 30 cm.

What is the formula for mean length? How do I find the mean? You can find the mean, or average, of a data set in two simple steps: Find the sum of the values by adding them all up. Divide the sum by the number of values in the data set.

How do you estimate length?

What is the formula for length of a volume? Volume can be used to find out how much a container holds. The formula for volume is: Volume = length x width x height.

What is the formula for finding length and breadth? To calculate the length and width of a rectangle first, calculate the value of width 'w' by using the area of rectangle formula that is, 'w = A/l'. Then substitute the value of width in the formula of the perimeter of a rectangle and simplify the value of length 'l', that is, P = 2 (l + A/l).

How to find the missing dimension?

What is the short answer of length? Length is the term used for identifying the size of an object or distance from one point to the other. For example, the length of a ruler given below tells us how long the ruler is.

What is the formula for volume?

What is an example of length? The length determines the distance between two points, or in other words, it is the amount of space between two points. For example, the distance between my house and school, or the distance from one end of the table to the other.

How to find the length formula? If you have the area A and width w , its length h is determined as h = A/w . If you have the perimeter P and width w , its length can be found with h = P/2?w . If you have the diagonal d and width w , it's length is h = ?(d²?w²) .

How do you find the missing length of similar rectangles?

How to find the length from area? Answer: The formula to find the length of a rectangle when the area is given is: Length = Area ÷ Breadth. We will use the formula of the area of a rectangle to find the length of the rectangle.

How do you write the formula for length? If you know the width, it's easy to find the length by rearranging this equation to get L = A ÷ W. If you know the length and want the width, rearrange to get W = A ÷ L.

What is a length calculator? Length Conversion Calculator is a free online tool that displays the conversion of the length parameter from one unit to the other unit.

What is the simplest way to measure length?

How do you find the missing angle length?

How do you find the missing length of a line segment?

How can I find the missing length of a rectangle?

How do you find the missing length of a special right triangle?

What is the formula for the length of an angle?

Can you find length with only angles? You can't do this with only angles. You can find the ratio of the 3 sides, but no actual lengths. You can't. There are two possibilities: (1) the side you know the length of is opposite the angle you know the measure of, and (2) the side you know the length of is one of the legs of the angle you know the measure of.

How do you work out the missing length of a right angle triangle?

How to find the indicated length of a segment?

What is the formula for the length of a line? Definition. Two points A(x1,y1) A (x 1 , y 1) and B(x2,y2) B (x 2 , y 2) can be joined to form a line segment. Taking this length as the hypotenuse of a right angled triangle ABC, the length of this line segment is found using Pythagoras' Theorem. AB2=AC2+BC2.

What are the two ways to find the length of a segment? It is the path between the two points with a definite length that can be measured. Explanation: On a graph, the length of a line segment can be found by using the distance formula between its endpoints. Else, we can use a ruler to measure the length of smaller line segments too.

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How do we find the length of a rectangle?

How do you find the missing length of a square?

How to do trigonometry for beginners?

What is the formula for finding a missing side length of a triangle? Find The Length Of The Side Of A Right Triangle : Example Question #8. Explanation: The Pythagorean Theorem gives us a2 + b2 = c2 for a right triangle, where c is the hypotenuse and a and b are the smaller sides. Here a is equal to 5 and c is equal to 14, so b2 = 142 – 52 = 171.

How do you find the unknown lengths of each triangle? The Pythagorean theorem states that a2 + b2 = c2 in a right triangle where c is the longest side. You can use this equation to figure out the length of one side if you have the lengths of the other two. The figure shows two right triangles that are each missing one side's measure.

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CHAPTER 8 AQUATIC BIODIVERSITY MULTIPLE CHOICE QUESTIONS

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