

COMMENSALISM CHAPTER ONE

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What chapter is the commensalism in? Class 12 Biology Chapter 13 | Commensalism - Organisms and Populations (2022-23) - YouTube.

What is commensalism short summary? Commensalism is a type of relationship between two living organisms in which one organism benefits from the other without harming it. A commensal species benefits from another species by obtaining locomotion, shelter, food, or support from the host species, which (for the most part) neither benefits nor is harmed.

What is commensalism 5 Example? Examples of Commensalism: The remora rides attached to sharks and other types of fish. The remora benefits by gaining a measure of protection, and it feeds off of the remains of the meals of the larger fish. The cattle egret is a type of heron that will follow livestock herds.

Does commensalism help organism 1? Commensalism is a type of symbiotic relationship between different species of organisms in which one species benefits from the relationship while the other species is neither harmed nor benefits from the relationship. The commensal organism can benefit by receiving food, water, shelter, or transportation.

What is commensalism 12? Commensalism is the interaction in which one species benefits and the other is neither harmed nor benefited. E.g. cattle and egret, barnacles on the back of a whale, sea anemone, and the clown fish.

How do you show commensalism?

What best explains commensalism? Whereas, the association of organisms wherein one organism is benefitted while other remains unaffected is called as

Commensalism.

Why is it called commensalism? The word "commensalism" is derived from the word "commensal", meaning "eating at the same table" in human social interaction, which in turn comes through French from the Medieval Latin *commensalis*, meaning "sharing a table", from the prefix *com-*, meaning "together", and *mensa*, meaning "table" or "meal".

Is commensalism positive or negative? In a commensalism, two species have a long-term interaction that is beneficial to one and has no positive or negative effect on the other (+/0 interaction). For instance, many of the bacteria that inhabit our bodies seem to have a commensal relationship with us.

What animal is commensalism? Both remoras and pilot fishes feed on the leftovers of their hosts' meals. Other examples of commensals include bird species, such as the great egret (*Ardea alba*), that feed on insects turned up by grazing mammals or on soil organisms stirred up by plowing.

How are humans involved in commensalism? Commensalism is thought to have developed between larger species (not microbes) due to certain evolutionary changes and ecological realities. Larger species, such as humans, fed on things and created waste, and then other species may have learned to follow near to humans to consume their waste.

What is commensal? commensal • \kuh-MEN-sul\ • adjective. 1 : of or relating to those who habitually eat together 2 : of, relating to, or living in a relationship in which one organism obtains food or other benefits from another without damaging or benefiting it.

Why is commensalism rare? Commensalism benefits the symbiont without significantly affecting the host. This is a relatively rare type of interaction because few hosts can be considered to be completely unaffected by their symbionts.

What is the role of commensalism? In contrast, commensalism can be defined as an intraspecific relationship in which one species (the commensal) obtains benefits such as food, shelter, or locomotion from another species (the host) without causing adverse effects. Commensalism often occurs between a larger host and a smaller

commensal.

What are the characteristics of commensalism? In commensal interactions, one species benefits and the other is unaffected. The commensal organism may depend on its host for food, shelter, support, transport, or a combination of these. One example of commensalism involves a small crab that lives inside an oyster's shell.

What is commensalism Class 8 examples?

Is commensalism a predation? Commensalism is a relationship between two organisms in which one benefits and the other derives neither benefit nor harm (Helmenstine, 2020). Predation is an interaction where one organism, the predator, kills and eats another organism, its prey (Lang and Benbow, 2013).

What are the three types of commensalism? The simplest commensalism definition is that it's a type of symbiosis where one organism benefits and the other neither benefits nor is harmed. The three main types of commensalism are inquilinism, metabiosis, and phoresy.

What shows commensalism? Examples of commensalism symbiosis An example of commensalism symbiosis is barnacles with humpback whales. Barnacles benefit from clinging to humpback whales because these marine mammals will carry them to plankton-rich waters.

How does commensalism interact? Commensalism is an interaction in which one individual benefits while the other is neither helped nor harmed.

What is commensalism for kids? Commensalism is a relationship in which one organism benefits but the other is neither helped nor harmed. Remora fish and sharks have a commensal relationship. Remora fish attach themselves to sharks. The fish eat scraps left over by the sharks.

Which best describes commensalism? The best statement that describes a commensal symbiotic relationship between two species is b. one species benefits and the other is unaffected. In commensalism, one species benefits from the interaction, while the other is unaffected or not significantly harmed or helped.

What is a short note on 2 I commensalism? Commensalism is a symbiotic relationship between two organisms where one organism is benefited from the other, whereas the other is neither harmed nor benefited. It is a biological interaction that organisms form, in the quest of food and shelter.

Is commensalism obligatory? Long-lasting commensal associations that lead to highly specific adaptations may result in obligate commensalism. For example, phoresy in pseudoscorpions, which is obligatory in many cases, has a long history in the fossil record (Poinar et al., 1998).

What is commensalism in Finding Nemo? In the movie "Finding Nemo," an example of commensalism can be observed between Nemo and the sea anemone named "Tentacles." The sea anemone provides a protective home for Nemo and his father, Marlin, as they seek refuge in its stinging tentacles.

What is mutualism in biology class 12? Mutualism is a type of interaction between two living organisms in which both are equally benefited and no one is harmed. For example, lichen is a mutualistic relationship between a fungus and algae. Algae provide food to fungus obtained from photosynthesis. The fungus provides anchoring and protection to the algae.

What is parasitism in biology class 12? Parasitism is generally defined as a relationship between the two living species in which one organism is benefitted at the expense of the other. The organism that is benefitted is called the parasite, while the one that is harmed is called the host. A few examples of parasites are tapeworms, fleas, and barnacles.

What is commensalism and mutualism Class 12? Mutualism is the interaction between two or more organisms where both organisms can benefit from the interaction. Example: Coral and algae. Commensalism is when two species interact and one benefits, but the other organism is neither harmed nor benefited.

Is a clownfish commensalism? A symbiotic relationship where one species benefits and one is unaffected is known as commensalism. When one species benefits and the other is harmed, it's known as parasitism. Finally, in the case of the sea anemone and the clownfish, both species benefit. This type of relationship is

called mutualism.

What animal is Crush in Finding Nemo? Crush is a sea turtle and a major character in Disney/Pixar's 2003 animated film Finding Nemo and its 2016 sequel.

Why is it called commensalism? The word "commensalism" is derived from the word "commensal", meaning "eating at the same table" in human social interaction, which in turn comes through French from the Medieval Latin commensalis, meaning "sharing a table", from the prefix com-, meaning "together", and mensa, meaning "table" or "meal".

What are five examples of commensalism?

What is biology in commensalism? commensalism, in biology, a relationship between individuals of two species in which one species obtains food or other benefits from the other without either harming or benefiting the latter.

What is mutualism 3 examples? There are several similar mutualistic relationships, such as yuccas and yucca moths, figs and fig wasps, and Phyllanthaceae and Epicephala moths.

What is brood parasitism class 12 biology? Brood parasitism is a method of parasitism in which the organism lays its eggs in the nest of other birds and let that other bird to incubate them. Example : The cuckoo bird lays its eggs in the nest of crow and during the period of evolution, eggs of cuckoo bird has began to resemble with the eggs of crow.

What is an example of a parasitic bacteria Class 11? Examples include the various types of bacteria that can infect humans, plasmodium (an intracellular parasite that causes malaria), tapeworms, and nematodes.

What is interspecific competition class 12? Interspecific competition: It is the competition between organisms of two different species for common resources such as food, shelter, etc. For example, competition between lions and leopards for common prey.

What is parasitism and mutualism class 12? Mutualism – both species benefit. Parasitism – one species benefits while one is harmed. Competition – neither

benefits. Neutralism – both species unaffected.

What is a short note on symbiosis? Symbiosis is defined as a close, prolonged association between two or more different biological species. This relationship can be symbiotic (mutualistic), where both parties involved benefit from the interaction, or it can be parasitic, where one party benefits while the other is harmed.

What are the three types of symbiosis? There are three general types of symbiosis: mutualism, commensalism, and parasitism.

Segmentation Marketing: A Case Study on Performance

Segmentation marketing, a strategy of dividing a market into smaller, more manageable groups based on specific characteristics, offers a powerful approach to enhancing marketing efficiency and achieving performance goals. Here's a case study exploring the impact of segmentation marketing on a hypothetical company's performance:

Case Study: XYZ Corp.

XYZ Corp., a consumer electronics manufacturer, sought to improve its marketing effectiveness. It conducted a market segmentation study and identified three distinct customer segments:

- **Tech Enthusiasts:** Early adopters interested in cutting-edge technology and high-performance products.
- **Value Seekers:** Budget-conscious consumers looking for affordable and practical electronics.
- **Convenience Seekers:** Customers prioritizing ease of use and quick access to products.

Tailored Marketing Campaigns:

Based on the segmentation, XYZ Corp. developed tailored marketing campaigns for each segment. For Tech Enthusiasts, it emphasized product innovation and technical specifications. For Value Seekers, it focused on cost-effectiveness and value for money. Convenience Seekers were targeted with messages highlighting accessibility and ease of purchase.

Improved Targeting and Reach:

Segmentation allowed XYZ Corp. to target its marketing efforts more precisely. By understanding the specific needs and preferences of each segment, it could reach the right customers with the right message, increasing its marketing reach and impact.

Increased Conversion Rates:

The tailored marketing campaigns led to higher conversion rates across all three segments. By addressing the specific pain points and motivations of each group, XYZ Corp. was able to persuade more potential customers to make purchases.

Enhanced Customer Satisfaction:

By meeting the unique needs of each segment, XYZ Corp. significantly improved customer satisfaction. Customers felt understood and valued, which led to increased loyalty and repeat purchases. This resulted in a positive impact on the company's overall reputation and brand perception.

Conclusion:

XYZ Corp.'s case study demonstrates the transformative power of segmentation marketing. By dividing its market into distinct segments, it was able to target its marketing efforts more effectively, increase conversion rates, enhance customer satisfaction, and ultimately improve its overall performance. Segmentation marketing remains a cornerstone of modern marketing strategies, offering businesses the ability to optimize their marketing investments and drive tangible business results.

How can I get a duplicate water bill in Karachi? To KWSB duplicate bill download, visit the official website of the Karachi Water & Sewerage Board (KWSB). Look for the "Bill Download" or "Duplicate Bill" section. Enter your account details or consumer number as required. Follow the prompts to generate and download your duplicate bill.

What is the new name of KWSB? The Sindh Assembly had on June 8 passed the Karachi Water and Sewerage Corporation Bill, 2023 to transform the KWSB into a

corporation and a profit-making utility besides enabling it to meet the growing demand of potable water in the city.

How to check a water bill? Query your bill by dialing *888# and select option 2 – Query Bill.

What is the phone number for karachi water board complaint? It causes serious inconvenience to others. It is serious offence. Customers may inform the Customer Services Care on Phone 1339 or 99245138 – 99245140.

How to apply a new water connection in Karachi? Fill the respective application form for water connection attached / enclosed the required document's pertaining to the property where water connection is required and submit it to the respective revenue office of KWSB . Deposit challan in the concern bank which is issued by revenue of KWSB 9th mile Karsaz.

Where do people of Karachi get their water from? Karachi, the Indus River supplies approximately 2.5 million cubic meters per day (MCM/day), which is about 85 percent of total water supplied to the city [16].

What does KWSB stand for? Karachi Water and Sewerage Board, is responsible for production, transmission and distribution of potable water to the citizens of Karachi, Sindh, Pakistan.

What is the new name of bhisho? Bhisho, formerly Bisho, is the capital of the Eastern Cape province in South Africa.

What is the new name of Port Natal? Durban was founded in 1835 on the site of Port Natal and was named for Sir Benjamin D'Urban, the governor of the Cape Colony.

How can I check my water at home?

How do I write a check for my water bill?

How to check water meter number?

Who is the CEO of water Board Karachi? CEO KW&SB Engineer Syed Sallahuddin Ahmed is informing the Senior Journalists about the details of completed

and ongoing projects of KW&SB, – KWSB.

What is the price of 1000 gallon water tanker in Karachi? According to Abdul Hameed Bangash Water Tanker located in Clifton, a 1,000-gallon tanker cost Rs3,000 but as of April 2023, it is Rs6,000. Around eight to ten thousand water tankers are supplied to Karachi residents daily, by rough estimates.

What does KMC stand for in Pakistan? Karachi Metropolitan Corporation held a flag hoisting ceremony at the KMC Head office. The Mayor of Karachi, Barrister Murtaza Wahab, hosted the flag on the occasion of Independence Day.

How to book a water tanker online in Karachi? People may visit the Karachi Water Board's website www.kwsb.gos.pk to download the upgraded online mobile app, which is upgraded to facilitate the masses, he added. Apart from the upgraded mobile application, citizens can also book water tankers on the mobile number 03041112482.

How to solve water shortage in Karachi? Some remedies for the water crisis in Pakistan include implementing water conservation measures, improving water management practices, promoting water-efficient technologies, developing rainwater harvesting systems, and investing in water infrastructure.

How much is the new water connection in Lahore? Charges for a water connection are PKR 10,000 while for a sewerage connection are PKR 5,000. The working connections are subjected to approval and recommendation of the field staff which is granted only if there is no construction violence and everything is according to approved plans.

Can you drink tap water in Karachi? The overall analysis revealed that only 16.67%, 38.71%, 50%, 43.33%, and 58.06% of the water supply is suitable for drinking in Malir, Karachi West, Karachi East, Karachi South, and Karachi Central, respectively, while 83.33%, 61.29%, 50%, 56.67%, and 41.94% are unsuitable for drinking, posing substantial health risks.

Are people from Karachi Indian? Karachi's inhabitants, locally known as Karachiites, are composed of ethno-linguistic groups from all parts of Pakistan, as well as migrants from South Asia, making the city's population a diverse melting pot.

Which country gives water to Pakistan? A transition period of 10 years was permitted in which India was bound to supply water to the canals of Pakistan from its eastern rivers until Pakistan was able to build the canal system for utilization of waters of the western rivers. Such water supply to Pakistan was not interrupted even during the 1965 Indo-Pak war.

What is the price of a 1000 gallon water tanker in Karachi? According to Abdul Hameed Bangash Water Tanker located in Clifton, a 1,000-gallon tanker cost Rs3,000 but as of April 2023, it is Rs6,000. Around eight to ten thousand water tankers are supplied to Karachi residents daily, by rough estimates.

Who is MD water Board Karachi? Syed Salahuddin Ahmed - Managing Director/ CEO - Karachi Water and Sewerage Corporation | LinkedIn.

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Which water line burst in Karachi? KARACHI (Dunya News) - Severe water crisis is looming in several areas of Karachi as the main water pipeline at the Dhabeji Pumping Station burst due to some technical fault developed in the K-Electric. According to the officials, a 72-inch-diameter line No. 5 was burst and all the 21 water pumps got affected.

Are Nigerian Dwarf goats high maintenance? Nigerian Dwarf goats are popular as pets and family milkers due to their easy maintenance and small stature.

What is the life expectancy of a Nigerian dwarf goat? Reproduction & Lifespan With a gestation period of 5 months, they breed all year round and produce 2 to 4 young. On average, these goats live between 15 and 20 years.

Do Nigerian Dwarf goats have to be milked every day? ?How often and consistently you milk will impact production. We choose to only milk once a day, so we get less milk, though for several months the kids are getting as much as we do or more, so, effectively, it's as if they are being milked twice a day, and it still helps to

boost production.

Are Nigerian Dwarf goats hard to take care of? As with all goats, Nigerian Dwarf goats do not require much in the way of care. They can thrive with simple housing, fresh water, and a balanced goat feed. Providing them with plenty of room to graze on good grass and brush also makes for a better herd.

What are the cons of Nigerian Dwarf goats? Nigerian Dwarf goats are prone to the same problems as other goats, including environmental problems like parasites (lice, ticks, worms, mites). They are also susceptible to goat polio, enterotoxemia, listeriosis in addition to a range of serious contagious diseases.

What can Nigerian Dwarf goats not eat? But, just like other animals, goats shouldn't consume things like garlic, onion, chocolate or any source of caffeine, to name a few. Although most goats wouldn't eat leftover meat scraps, they shouldn't be offered them either. Citrus fruits should also be avoided, as they can really upset the rumen.

What are the health issues with Nigerian Dwarf goats? A few of the most prevalent health issues include pneumonia, parasites, and mastitis. Many of these have vaccines to prevent them, though early detection and prompt treatment are keys to extending their lifespan if they end up with one of these health concerns.

Can a Nigerian dwarf goat be a house pet? Although these smaller breeds of goats can make great family pets, they can be harder to care for than traditional pets such as dogs or cats. Pygmy goats and Nigerian Dwarf goats are popular small goat breeds that many people keep as pets.

How many Nigerian Dwarf goats should I get? Goats are herd animals and enjoy the company of other goats, so if it is your intention to purchase a goat, be prepared to purchase a minimum of two. All information written here is with the Nigerian Dwarf Dairy Goat in mind.

How do you tell the difference between male and female Nigerian dwarf goats? Males have a beard, horns, and are generally larger than the females. The horns are hollow, sometimes growing in the shape of a corkscrew. The hair is generally straight, however some breeds have a wool undercoat. Coat color varies, and can be

black, white, red, and brown.

How many babies does a Nigerian dwarf goat have? Nigerian dwarf goats are good mothers and typically deliver easily and unassisted. They commonly have 1 to 4 kids at one freshening. We have had a few does have 5 and 6 kids in one freshening. However, not all the kids typically survive with higher multiple births.

At what age can you breed Nigerian dwarf goats? Those little guys have been known to breed and be fertile as young as 7 weeks of age. Does can be bred at 7 to 8 months of age if they have reached good size. Some breeders prefer to wait until they are at least 1 year or older. Dwarf does can have several kids at a time, 3 and 4 being common and sometime even 5.

How often should I deworm my Nigerian Dwarf goats? April Start CovexinR 8 to kids at 4-6 weeks of age (2 ml subcutaneously). Repeat every 4 weeks until 16 weeks old. Deworm every 4-6 weeks through September. Change to clean pasture at each deworming.

What is the best bedding for Nigerian Dwarf goats? Straw: Straw is easy to store because it comes in bales, and it's inexpensive. Wheat straw is preferable to other straws because it's easier to muck out when used, it's less dusty, and the goats like to eat it when it's fresh. Wood shavings: Depending on where you live, wood shavings may be a better option.

What size pen for 2 Nigerian Dwarf goats? We recommend giving each goat at least 135 square feet. As for shelters, you'll need 20 feet for each 2 goats. Keep males and females separate. You'll need to make sure your goats have free access to both shaded and sunny areas.

What is the most low maintenance goat? Kiko goats are rapidly becoming a popular meat goat breed in the U.S. due to its hardiness and growth rate.

How many acres do Nigerian Dwarf goats need? The best area for me to put them in is about 0.8 acres.

What are the health issues with Nigerian Dwarf goats? A few of the most prevalent health issues include pneumonia, parasites, and mastitis. Many of these have vaccines to prevent them, though early detection and prompt treatment are

keys to extending their lifespan if they end up with one of these health concerns.

Are Nigerian Dwarf goats good house pets? Nigerian dwarf goats are raised for milk production but also as pets. They are gregarious, friendly and hardy and can thrive in almost any climate. Their gentle, calm and playful nature makes them good companion pets for children and disabled and elderly people.

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