



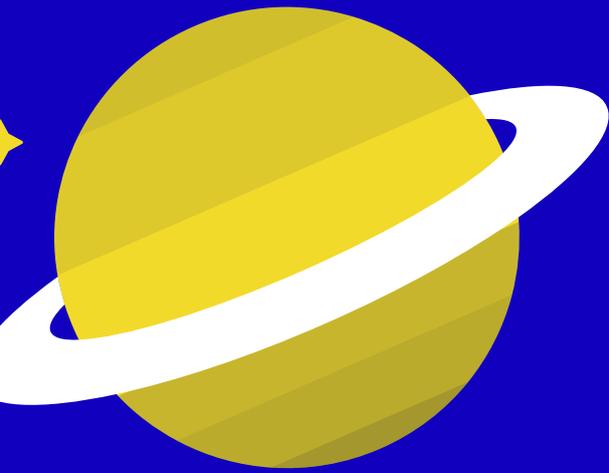
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NEWSLETTER JUNE 2020

Get ready to learn, explore and be amazed!

DEPARTMENT OF SCIENCE

The Science of Today is the Technology of Tomorrow - Edward Teller





PRINCIPAL

Peace be with you all!
 We started this new academic year with many dreams but God had His own way to bring us close to Him and one another. There is no doubt things are tough in the world. To enjoy a healthy living and survival it takes Grace of God. Covid 19 created awareness in us to spend wisely the time, energy and talents for others. Lockdown made us to explore new ventures in education as we impart the knowledge with digital worlds of technology to our young generation. I congratulate Abraham ,the head of department for releasing this digital magazine with the help of the science teachers who have contributed with different articles. "Education does not change the world. Education changes people, people change the world" Paul Freire This is what I believe and dream. God bless you all.
 Sr. Mary Nilanthi AC



VICE PRINCIPAL

Dear All,
 We all welcomed the Year 2020 as a bouquet of newer unfolding opportunities to fulfill unfinished commitments with renewed vigor of heart and moved up on an accelerating speed to reach new milestones, but the horrible , unpredictable COVID -19 has significantly changed the contour of life World wide. Well I think a time of crisis is not just a time of anxiety and worry , rather it gives an opportunity , a chance to choose well, wisely to make your life extraordinary .It is well said , " Sometimes Crisis triggers the genius within ." Remember always in life bad times lead to great times and success. At the end I would like to Congratulate the Science Department for their marvelous Digital Newsletter , You all did a great job in the time of pandemic , working from homes .I praise the struggle you are in today and may you develop the strength you need for tomorrow.
 Peace be with you all.
 Mrs. Huma Ambrose



HOD

Peace Be With You All!
 Science Department is working day and night to upgrade itself and enhance the capacity of both the teachers and students. One new addition to this hardworking is the monthly newsletter which includes research based, innovative and interesting articles and information. Science is not just a subject but a way of addressing our problems. Question! and witness the vastness of it. God Bless you All ~ Abraham Alexander



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Covid-19 and Online Education

By Abraham Alexander

Education is at an intersection right now, and a choice is to be made between adhering to old practices and theories or redefining learning in the age of COVID-19. The pandemic more commonly known as the coronavirus has forced schools around the world to close, prompting a chaotic scramble to move online and find a way to somehow finish out classes. A recent report by World Economic Forum unveils that more than 1.2 billion children are out of schools. With this sudden shift away from the physical classroom in many parts of the globe, it is being wondered whether the implementation of online learning will continue to persist post-pandemic, and how such a modification would affect the worldwide education market. Although, this paradigm shift has created some troubles but on the other hand it has opened a new door of unlimited enthusiasm and opportunities for both the students and the teachers.

People believe that a new fusion model of education will emerge, with significant benefits. Many are already touting the benefits: Dr Amjad, a Professor at The University of Jordan who has been using Lark to teach his students says, "It has changed the way of teaching. It enables me to reach out to my students more efficiently and effectively through chat groups, video meetings, voting and also document sharing, especially during this pandemic. My students also find it is easier to communicate on Lark. I will stick to Lark even after coronavirus, I believe traditional offline learning and e-learning can go hand by hand."

The world is moving from on School to on-line learning and this transition seems to be very interesting. But as it is well said that when you pray for the rain, be ready to deal with the puddle, certain limitations and hurdles are there that need to be addressed. The first and foremost obstacle that might slow down the speed of this mechanism is the Internet connectivity issue. The reliability of Internet in a country like Pakistan is always compromised. In addition to this, the economic situation of most families is not much stable that they afford to give various technological gadgets to kids. Usually, there is only one device and sometimes the users are multiple. Primary section children need a specific structural environment to attain online education. Since, this situation occurred haphazardly, so the instructional issues while delivering online cannot be neglected as well, leading sometimes to a collective traumatic stress for the teacher, student and the parents. Re-interpreting the curriculum and doing research is a must before going online.

But as Lara Whatley says, "Why? It's an excellent question. But an even better one is... Why not?" online classes are getting into limelight all around the world. Schools, colleges and universities are equipping students for self-directed learning. World Economic Forum says that the percentage of retaining the data has increased from 8-10 % to 25-60 %. These online classes are time saving and even after the lecture online, students can be able to view the recording and understand and learn at their own pace. Online learning provides the opportunity for individuals to build valuable life and professional skills. For instance, the independent study aspects of online learning can help students improve their time management skills. Furthermore, with online learning, a student may develop the technological skills needed in their future careers. Knowledge of the functions of the Internet, typing, and software programs are necessary to be considered digitally literate, and online learning helps strengthen these skills. Teachers will have a bright chance of improving their selves and enhancing their teaching methodologies.

Hence, it is quite evident that this idea of online learning has various pros and cons and indeed has disrupted the traditional methods of teaching but it is a blessing in disguise to get equipped with technology. As the E-commerce industry reached skies post-SARS, E-learning can shoot up Post-Covid. Teachers will have to upgrade themselves to go an extra mile further for their students because at the end of the day, the whole idea is to develop a nation that excels and succeeds in all fields of life that is efficient and well organized.



Transmission Of Zoonotic Diseases From Hedgehog To Humans

By Rooma Joseph

Pets have been considered as an important aspect in societies all over the world. They have unique importance in contributing welfare to children and adults such as emotional, social, and physical development. Although pets provide important benefits to people along with that they have been reported as a reservoir of hazardous zoonotic parasites that can be transmitted to humans and livestock population as well. However, neither no veterinary healthcare providers nor pet owners are effi-

ciently aware about the potential of many of these animals to transmit zoonotic diseases.

In recent decades, hedgehogs have earned huge popularity as a pet. Hedgehogs have been rising in approval as exotic pets due to some characteristics like being small, nocturnal, and spiny-coated. Although this animal in Pakistan is considered as an “exotic pet” but most of the species have been found in the steppes of Pakistan e.g Long-eared hedgehog (*Hemichinus auritus*). Moreover, these species are finest modified to the xeric situations. This animal can carry huge prevalence of zoonotic pathogens such as ringworm and salmonellosis (the commonest) arboviral encephalitis and herpes virus infections. Amongst these infectious mediators, ecto and end parasites are also vital sources of ticks and tick-borne ailments in numerous animal species and humans too. To overcome these risks, studies that have been conducted to understand all the possible adverse effects of parasitic prevalence as well as to minimize the transmission risk of potentially active zoonotic diseases. Research has confirmed that *Trichophytonerineae* is a fun-

gal disease medically is known as “Dermatophytosis” has been reported in humans after contact with hedgehogs. Humans that are infected with this fungal infection usually have pruritic lesions on their skin surfaces.

Keeping in view, the significant importance of pets, especially hedgehog as all they have parasitic flora along with some diseases causing agents and, prevalence of parasites can be an indicator of population health host. So, it has been a compulsion for veterinarians and other medical personnel to provide enough awareness to pet owners to reduce the risk of the transmission of these potentially active zoonotic diseases to humans. Immunocompromised persons may be more at increased risk for infections from hedgehogs and should be particularly careful.



How Teenage Brain Process Emotions As They Mature

By Rachel Riasat

Many parents do not understand why their teenagers occasionally behave in an impulsive, irrational, or dangerous way. At times, it seems like teens don't think things through or fully consider the consequences of their actions.

Scientists have identified a specific region of the brain called the amygdala that is responsible for immediate reactions including fear and aggressive behavior. This region develops early and the frontal cortex, the area of the brain that controls reasoning and helps us think before we act, develops later. This part of the brain is still changing and maturing well into adulthood. Research has also shown that exposure to

drugs and alcohol during the teen years can change or delay these developments.

When a person becomes a teenager, many parts of the brain have already developed. Teens are also at a higher risk of developing addiction, which is closely linked to dopamine. This chemical helps transmit signals in the brain. Any rewarding activity causes a dopamine release, but the surge is much higher and more intense with drugs. Repeated drug use can "teach" the brain to seek drugs over healthier rewards that is addiction. The limbic systems of teens are very sensitive to dopamine because of this; teens may crave drugs more strongly than adults. The earlier that someone starts drug use, the higher his or her addiction risk.

Students are generally familiar with the idea that sex-hormone concentration in the blood during puberty increases and decreases as we age, especially after 50 years. To understand the hormone-behavior relationship, it is important to describe briefly the concept of hormones. Hormones are organic chemical messengers produced and released by specialized glands called endocrine glands. Hormones are released from these glands into the blood, where they may travel to act on target structures at some distance from the origin. How might hormones affect behav-

ior? In terms of their behavior, this comprises of three interacting components: sensory system, central nervous system, and effectors. Hormones influence these three systems so that specific stimuli are more likely to elicit certain responses in the appropriate behavioral or social context. In other words, hormones change the probability that a particular behavior will be emitted in the appropriate situation. This is a critical distinction that can affect how we think of the hormone-behavior relationship.

Awareness of the teenagers' brain and hormonal changes can help parents, teachers, advocates, and policy makers understand, anticipate, and manage the behavior of the teenagers.



Natural Brain Boosters

By Zoy I Noor

Poor Memory, lower retention, and slow recall are common problems in today's stressful and competitive world. Nootropic herbs or natural brain boosters are the drugs that enhance the cognitive functioning of the brains. These herbs contain antioxidants that enhance memory and increase blood circulation in the brain, and hence, we get better memory and can remember for a very long period.

There are wonderful chemicals known as flavonoids and terpenoids that are believed to be responsible for the herb's medicinal actions, which include increasing blood flow, decreasing blood viscosity, protecting against infections, and preventing membrane damage by free radicals. The flavonoids are powerful antioxidants and they help in regulating cellular activity and on the other hand we have terpenoids that are associated with the anti-infective properties and the antiplatelet-activating factor, which helps prevent membrane damage to vessels

and decreases blood viscosity. The nootropics or as we are calling them natural brain boosters increase blood flow which reaches the brain, thus allowing for more oxygen hence, allowing the cells to function at a faster pace. Internet gives us a huge list on searching about them but the best researched and practically proved nootropic supplements or herbs to boost brain functioning involve caffeine, fish oils, eggs, peanuts, resveratrol, Ginkgo biloba herb, Avena sativa (Oats), Ginger and Ephedrine.

Caffeine- a well-known brain stimulant is the world's most widely consumed psycho-active drug. Many drink it to stay awake and encourage focus. It blocks a substance in the brain called adenosine, which makes a person feel sleepy. Furthermore, it stimulates the central nervous system making you feel active. Many research studies conducted have shown that caffeine may enhance memory performance, especially when tedious, repetitive tasks are involved. However, higher intake may decrease performance, possibly due to over-stimulation. An omega-3 fatty acid found in *fish oils*, docosahexaenoic acid (yeah! It is a very long and complicated chemical name but we can call it DHA, *viola!*) is thought to be important in developing the brain. It helps to build membranes around brain cells. They can, therefore, improve the structure of brain cells called neurons or nerve cells. *Peanuts* are a good source of vitamin E, a potent antioxidant that protects nervous membranes. They are the excellent source of vitamin E and niacin as well, which has long-term effects in providing protection against Alzheimer's disease. Similarly, *Eggs* are a good source of vitamin B-6, vitamin B-12, and Folic acid. These vitamins pre-

vent brain shrinkage and delay cognitive decline. *Ginkgo biloba* herb improves brain circulation, increases the supply of oxygen and nutrients. It helps the body to eliminate free radicals thereby improving memory and eradicating depression. *Avena sativa (Oats)* is useful for rebuilding nervous tissue and brain tissue. They also decrease oxidation of cells and are useful for stroke, and severe anorexia where cell death may have occurred. *Zingiber officinale (Ginger)* improves memory and blood circulation to all parts of the body and brain. It also helps to increase the supply of nutrients to the brain. *Ephedrine* is a stimulant that comes from an herb called Ephedra. It stimulates the brain and increases metabolism. *Resveratrol*, because of its antioxidant properties, could be a promising supplement for lowering blood pressure. It may accomplish this blood-pressure-lowering effect by helping to produce more nitric oxide, which causes blood vessels to relax.

Since the beginning of life on this planet natural remedies and drugs have been recommended to enhance the brain functioning and memory in humans. The popularity of these products have been effectively increased due to its less cost secondly, the drug or the herb effects quickly without any toxicity. Still now researchers are engaged to find more about a nature's ability to cure different diseases and struggles are being made on the screen to treat and enhance multiple functionalities in humans.



Balanced Diet In The Times Of Covid-19

By Eileen Eric

(BS Food & Nutrition, Kinnaird College for Women LHR)

Balanced diet plays a very important role in leading healthy lifestyle. A balanced diet is one that gives your body the nutrients it needs to function correctly. To get the proper nutrition from diet you have to consume all food groups every day. There are 5 food groups according to MY PYRAMID which one should consume daily in order to get important nutrients which plays an important role in one's life. Food groups includes; cereals, milk and milk products, meat and meat products, fruits, and vegetables. When you consume balanced

diet, the rate of disease lessens. As we know every food group or anything we eat have some kind of nutrients in it either macronutrients or micronutrients. Both types of nutrients play a vital role in proper functioning of body. Macro-nutrients are simple and plain and have three categories nutrients which we consume the most. They are carbohydrates, proteins and fats. They are the main source of energy while micronutrients are the nutrients which are required in smaller amounts such as vitamins and minerals.

The number of calories in a food is a measurement of the amount of energy stored in that food. Your body uses calories from food for walking, thinking, breathing, and other important functions.

The average person needs to eat about 2,000 calories every day to sustain their weight. However, a person's specific daily calorie intake can vary depending on their age, gender, and physical activity level. Men generally need more calories than women, and people who exercise need more calories than people who don't. As we know, this is the time when the rate of COVID-19 is on its peak. How you will protect yourself from this deadly virus? How can you improve your immune system? On the whole, your immune system does a remarkable job of defending you against disease-causing microorganisms. But sometimes it fails: A germ invades successfully and makes you sick.

Is it possible to intervene in this process and boost your immune system? What if you improve your diet? Take certain vitamins or herbal preparations? Make other lifestyle changes in the hope of producing a near-perfect immune response? Immunity is the balanced state of multicellular organisms having adequate biological defenses to fight infection, disease, or other unwanted biological invasion, while having adequate tolerance to avoid allergy, and autoimmune diseases. Immunity strengthening diet is a diet, which contains some amount of zinc in it and other nutrients, which will help to increase your immunity and fight against infections and deadly viruses. As we know zinc is a micronutrient and one of its function is to increase the immunity. In order to increase your immunity, you have to consume fresh fruits and vegetables, high protein foods such as chicken, fish etc (the food which are high in protein will definitely be high in Zinc). These are the direct sources from which you can consume zinc. The alternate source for zinc is zinc supplements. Want to clear something over here that there is specific amount of zinc which is consumed by a person every day, recommended by RDA. It is not like that more you consume, more it will be absorbed. Only a specific amount will be absorbed and the rest will be eliminated through the body. The recommended dietary allowance for zinc is 8 milligram for women while for men it is 11 milligram respectively.



Explosive Relationship

By *Imrana Malik*

(Mphil Chemistry, Forman Christian College LHR)

Not long ago, but quiet long ago, ahhhh the early days of my college, when I was a young explorer and loved to lurk upon demonic ideas and life threatening ambitions. Just being a brilliant and a notorious student of my beloved college, I was the class rep. To be very honest, sometimes I thought that all my teachers secretly prayed for me to have half the brain, I had just so I won't make fractious deeds. I

would use my brain more than I could handle, which I strictly condemn. Once on a bright beautiful morning, I was instructed to direct my class to make Lassaigne's extract which uses Sodium and water. My mischievous mind decided to drop a huge Chunk of sodium which was kept in kerosene oil and I said abracadabra and dipped the freshly cut sodium slice and threw it in my water and BOOOM the huge 1000 ml beaker exploded with a bang. God forbid but it actually bought a tsunami in the lab, the teacher's mouth dropped as if I had asked for their kidney. You might be thinking why in the heavens is she stretching the story, but the truth is my little dear fellow that I am trying to fill in the word limit to avoid telling you the embarrassing ending. But as said, one has to face the consequences of their doings; I was removed from class rep position and suspended from that particular lab for a whole week.

I remember how from being a star of the department I was being called death angle or one of my teacher called me mini Alferdo Nobel, scientist who discovered dynamite.

Dear young minds, did you know that Sodium reacts violently if exposed to moisture so it is kept immersed in the kerosene oil. Potassium, Rubidium, and Caesium are also from the same family. The family of these crazy heads is called as alkali metals or group 1 metals. In its pure form, the soft, shiny metal reacts in water to form sodium hydroxide and hydrogen gas. Oh, and lots of heat—enough that the hydrogen gas ignites. That's the flash and bang for you.

I would recommend you to watch videos of the sodium metal with water, I am sure you would like it. Beware of the notorious family and stay away just as you should keep distance from racism and hatred.

Stay safe my fellas and enjoy quarantine while staying home and yes, one last thing I thought to share with you, shhhh your chief editor might just cut this part due to word limit but polish one skill of your in such a way that you become master of it. I hope to see you next month, keep an ear out. Ta Daa!

Scientist in Focus

English mathematician **Ada Lovelace**, the daughter of poet Lord Byron, has been called "the first computer programmer" for writing an algorithm for a computing machine in the mid-1800s.



Who Was **Ada Lovelace**? The daughter of famed poet Lord Byron, Augusta Ada Byron, Countess of Lovelace — better known as "Ada Lovelace" — showed her gift for mathematics at an early age. She translated an article on an invention by Charles Babbage, and added her own comments. Because she introduced many computer concepts, Lovelace is considered the first computer programmer. She died on November 27, 1852. Ada, born as Augusta Ada Byron on December 10, 1815, was the only legitimate child of the famous poet Lord George Gordon Byron. Lord Byron's marriage to Ada's mother, Lady Anne Isabella Milbanke Byron, was not a happy one. Lady Byron separated from her husband only weeks after their daughter was born. A few months later, Lord Byron left England, and Ada never saw her father again. He died in Greece when Ada was 8 years old. Ada had an unusual upbringing for an aristocratic girl in the mid-1800s. At her mother's insistence, tutors taught her mathematics and science. Such *challenging subjects were not standard fare for women at the time*, but her mother believed that engaging in rigorous studies would prevent Ada from developing her father's moody and unpredictable temperament. Ada was also forced to lie still for extended periods of time because her mother believed it would help her develop self-control. From early on, Ada showed a talent for numbers and language. She received instruction from William Frend, a social reformer; William King, the family's doctor; and Mary Somerville, a Scottish astronomer and mathematician. Somerville was one of the first women to be admitted into the Royal Astronomical Society. Around the age of 17, Ada met Charles Babbage, a mathematician

and inventor. The pair became friends, and the much older Babbage served as a mentor to Ada. Through Babbage, Ada began studying advanced mathematics with University of London professor Augustus de Morgan. Ada was fascinated by Babbage's ideas. Known as the father of the computer, he invented the difference engine, which was meant to perform mathematical calculations. Ada got a chance to look at the machine before it was finished, and was captivated by it. Babbage also created plans for another device known as the analytical engine, designed to handle more complex calculations. Ada was later asked to translate an article on Babbage's analytical engine that

had been written by Italian engineer Luigi Federico Menabrea for a Swiss journal. She not only translated the original French text into English but also added her own thoughts and ideas on the machine. Her notes ended up being three times longer than the original article. Her work was published in 1843, in an English science journal. Ada used only the initials "A.A.L.," for Augusta Ada Lovelace, in the publication.

In her notes, Ada described **how codes could be created for the device to handle letters and symbols along with numbers**. She also theorized a method for the **engine to repeat a series of instructions**, a process known as looping that computer programs use today. Ada also offered up other forward-thinking concepts in the article. For her work, Ada is often **considered to be the first computer programmer**. Ada's article attracted little attention when she was alive. In her later years, she tried to develop mathematical schemes for winning at gambling. Unfortunately, her schemes failed and put her in financial peril. Ada died from uterine cancer in London on November 27, 1852. She was buried next to her father, in the graveyard of the Church of St. Mary Magdalene in Nottingham, England

Extinct Animals

Animal extinctions may be caused by

cooling or changes in sea levels. In more modern times, however, human activity has been to blame. Habitat destruction as farming land expands and forests are cut-down is the main cause of modern extinctions, along with pollution, the introduction of alien species, and over fishing or hunting. Increasingly, however, climate change is thought to be driving extinctions.

West African Black Rhinoceros



The West African Black Rhinoceros was found in several countries towards the southeast region of Africa. Measuring 3-3.8 metres long and 1.4-1.7 metres in height, this rhino would have weighed 800-1,300 kg. It had two horns, one measuring 0.5-1.3 metres and the other between 2-55cm. Their diet included leafy plants and shoots. Some believe their horns had medicinal properties – though this had no grounding in scientific fact – which led to heavy poaching. In the 1930's preservation action was taken to protect the species, but the numbers continued to decline. The last West African Black Rhino was seen in Cameroon in 2006. It was declared officially extinct in 2011.

Baiji White Dolphin



Baiji White Dolphin, also called the Chinese River Dolphin, can only be found in the Yangtze River in China. These mammals could grow to eight feet long and weigh up to a quarter of a ton. They relied on echolocation to navigate and hunt for prey due to their tiny eyes and very poor eyesight. Living in the Yangtze for 20 million years, their numbers declined drastically from the 1950s onwards. As China industrialised, the river was used for fishing, transportation and hydroelectricity which had a huge effect on the mammals. Although not officially recorded as extinct, no one has seen a Yangtze River Dolphin since 2002.

Pyrenean Ibex



One of four subspecies of the Spanish Ibex or Iberian Goat that was found in the Iberian Peninsula. The Ibex would grow to a height of 60-76cm at the shoulder and weigh 24-80 kg and fed mainly on grasses and herbs. They were thought to have numbered 50,000 historically, but by the early 1900s its numbers had fallen to fewer than 100. The exact cause of the Pyrenean Ibex's extinction is unknown; scientists believe factors included poaching and the inability to compete with other mammals for food and habitat. The last Pyrenean Ibex was killed by a falling tree in northern Spain in 2000.

Dodo



An extinct flightless bird that inhabited Mauritius, the Dodo was about one metre tall and may have weighed 10–18 kg. The only account we have of the Dodo's appearance is through varied illustrations and written accounts from the 17th century so its exact appearance remains unresolved. It is presumed the bird became flightless due to the availability of abundant food sources (seeds, roots and fallen fruits) and a relative absence of predators. Dutch sailors first recorded a mention of the dodo in 1598. The bird was hunted to extinction by sailors and their domesticated animals, and invasive species. The last widely accepted sighting of a Dodo was in 1662.

Woolly Mammoth



An enormous mammal, believed to be closely related to the modern-day elephant. Its ancestors migrated out of Africa about 3.5 million years ago, spreading across northern Eurasia and North America. The creature was over 4 metres tall and could weigh over 6 tons. They were covered in fur and their curved tusks could easily be up to 5 metres long! The Woolly Mammoth eventually disappeared 10,000 years ago through a combination of hunting by humans and the disappearance of its habitat through climate change. The last of the isolated woolly mammoth populations is believed to have vanished from Wrangel Island in the Arctic Ocean around 1700BC.

Sabre-Toothed Cat



Often called Sabre-toothed Tigers or Sabre-toothed Lions, they existed 55 million to 11,700 years ago. Sabre-tooth Cats were carnivores named for the elongated blade-like canine teeth, which in some species were up to 50cm long. Quite bear-like in build, they were believed to be excellent hunters and hunted animals such as sloths and mammoths. These felines could open their jaws at an angle of 120 degrees – almost twice as wide as a modern lion! It is believed the Sabre-tooth Cat's extinction may be linked to the decline and extinction of the large herbivores they hunted. Other explanations include climate change and competition with humans.

Passenger Pigeon



Native to North America, the Passenger or Wild Pigeon has been extinct since the early 20th century. It is estimated that between 3 and 5 billion Passenger Pigeons inhabited the US when Europeans arrived in North America, but their settlement led to mass deforestation resulting in habitat loss and a reduction in the bird population. By the 19th century pigeon meat was commercialized as a cheap food for the poor, which resulted in hunting on a massive scale. The Passenger Pigeon died out in the wild by around 1900, with the last known individual dying in captivity in 1914.

Tasmanian Tiger



Native to Australia, Tasmania and New Guinea, the Tasmanian Tiger was a large carnivorous marsupial. Not related to tigers, the creature had the appearance of a medium-to-large-size dog (it weighed 30kg with a nose to tail length of almost 2 metres) but dark stripes gave it a tiger-like appearance. It is believed to have been hunted to extinction – this was encouraged by bounties – but human encroachment into its habitat, the introduction of dogs and disease could also have contributed. The last wild Tasmanian Tiger was killed between 1910 and 1920, with the last captive one dying in Hobart Zoo, Tasmania in 1936.

Stellers Sea Cow



Named after George Steller, a naturalist who discovered the creature in 1741, Stellers Sea Cow was a large herbivorous mammal. It is believed that Stellers Sea Cow which grew to at least 8-9 metres and weighed around 8-10 tons, inhabited the Near Islands, southwest of Alaska and the Commander Islands in the Bering Sea. It is believed that the mammal was

tame and spent most of its time eating kelp; this, and the fact that it was unable to submerge its enormous body, is possibly what made it vulnerable to human hunters. Within 27 years of discovery by Europeans, Steller's Sea Cow was hunted to extinction.

Great Auk



A large and flightless bird found in the North Atlantic and as far south as Northern Spain. It had an average height of 75-85 cm and weighed about 5kg. The Great Auk was a powerful swimmer which helped it to hunt underwater for food. The last colony of Auks lived on the island of Eldey and by 1835 they had all been killed. The last of these birds was killed by three men who caught it on St Kilda, Scotland in 1844. When a large storm surged, they believed that the auk was a witch and was causing the storm, so they killed it.

DO YOU KNOW?



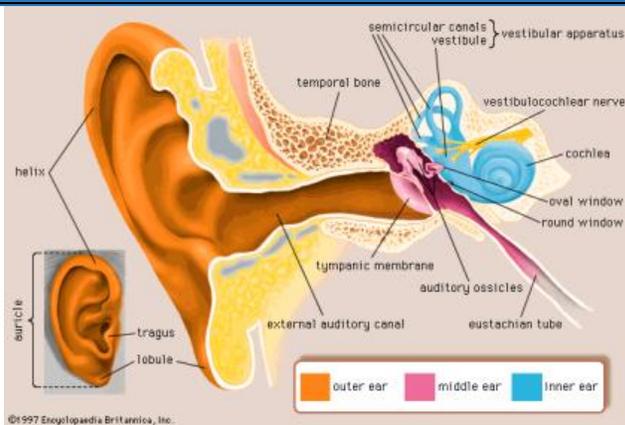
The longest place name in the world is 85 letters long Taumatawhakatangihangakoauauotamateaturipukakapikimaungahoronukupokaiwhenuakitanatahu is in New Zealand and is 85 letters long.

<https://www.newzealand.com/us/feature/the-longest-place-name-in-new-zealand/>



People say "Bless you" when you sneeze because when you sneeze, your heart stops for a milli-second.

http://www.jammulinksnews.com/newsdetail/127295/Jammu-Links-News-Did_you_know_about_these_interesting_facts_367C_Read



The smallest bones in the human body are found in ear.

https://www.pinterest.com/pin/52832860007920470/?nic_v1=1a2%2BsjWVjWYXpCua17QEtsQDkp9jwAoBERNizvouJLOrQahZ4VacrZPctNOQXgc3



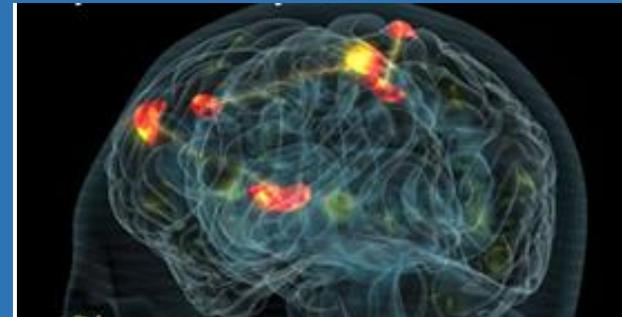
The most used muscle in your body is the muscle in your eye? Just think about how many times your eyes move when you look around. Now think about how many times you look around every day.

<https://slideplayer.com/slide/5847672/>



The Atlas moth defends itself by imitating a snake's appearance and behavior. Along with its convincing wing patterns, the moth will fall to the ground when threatened and flap around to look like a writhing snake.

<https://didyouknowfacts.com/facts/the-atlas-moth-defends-itself-by-imitating-a/>



Your brain is far more active at night than during the day. Logically, you would think that the moving around, complicated calculations, tasks and general interaction we do on a daily basis during our working hours would take a lot more brain power than, say, lying in bed. The opposite is true. When you turn off your brain turns on.

<https://me.me//did-you-know-your-brain-is-far-more-active-at-6504966>



<https://didyouknowthat.wordpress.com/category/science/page/3/>

Drinking ice cold water burns about 1 Calorie per ounce.



In 10 minutes, a hurricane releases more energy than all the world's nuclear weapons combined.

<https://didyouknowthat.wordpress.com/category/science/page/2/>



According to researchers, "Night Owls" (people who prefer to stay up late and sleep in) tend to be more extravagant, impulsive, and novelty-seeking.

They also tend to be more likely to develop addictive behaviors, mental disorders, and antisocial tendencies.

https://www.pinterest.com/pin/260076912888771058/?mcc=1&ic_v1=1&is=s&ovvbsZaw5GMpprD900zcs2BX5PDCQI4d51ZnyhgS225T3HOXWWXDNsu5WeZ7c



Orange juice tastes bad after brushing because toothpaste blocks your sweet taste receptors due to a foaming agent that changes the permeability of your tongue cells.

<https://piximus.net/others/did-you-know-3>