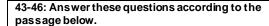


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It is a classic science fiction scenario: An enormous asteroid is discovered racing toward Earth that is sure to trigger a cataclysmic extinction upon impact. Courageous scientists have only a year to launch a pre-emptive strike against the space rock - to knock it off course or blow it to bits - w ith the fate of humankind at stake. Can they stop it? This doomsday scenario is, in all likelihood, one humans alive today will never have to face. Astronomers have mapped the trajectories of more than 33,000 asteroids that make occasional close approaches to Earth, and none pose any risk of impact for at least the next 100 years. Still, scientists understand that disaster can descend with little warning; thousands of asteroids move hidden in the sun's glare, including many rocks large enough to obliterate entire cities, and the European Space Agency (ESA) warms that dozens of "planet killer" asteroids - those measuring wider than 0.6 mile (1 kilometre) and capable of triggering a global extinction event - still lurk undiscovered in our solar system. For this reason, space agencies take the doomsday scenario very seriously. And after years of research - including the w orld's first mission to deflect an actual asteroid in space the international community's efforts have yielded two viable ways of changing a potentially deadly asteroid's course: hitting it with a high-speed impactor, or pummelling it with nuclear explosives.

- 43. What is the primary purpose of the international community's research efforts, including the world's first mission to deflect an asteroid in space?
  - A) To discover new asteroids in our solar system
  - B) To map the trajectories of asteroids making close approaches to Earth
  - C) To identify potential space missions
  - To develop strategies for changing the course of a potentially deadly asteroid
  - E) To explore the composition of asteroids

# 44. According to the passage, ESA expresses concern about the undiscovered "planet killer" asteroids because ---.

- A) they have the potential to bring about a global extinction event
- B) they collide with each other in space more often than scientists think
- C) they are difficult to detect on account of their small
- b) they are too far from Earth to pose any serious threat
- E) they have irregular trajectories when they are close to Earth's orbit

# 45. The underlined word 'cataclysmic' in the passage is closest in meaning to ----.

- A) burdensome
- B) extensive
- C) disastrous
- D) genuine
- E) permanent

# 45 b. The underlined word 'obliterate' in the passage is closest in meaning to ----.

- A) shield
- B) extend
- C) annihilate
- D) reinforce
- E) transmit

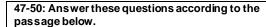
### 46. The author of the passage seems pretty sure that

----

- A) the two ways scientists have specified to ward off "planet killer" asteroids are 100% safe for humans
- B) hitting potentially dangerous asteroids with nuclear weapons is the best way to obliterate them
- C) the current generation will not experience an impact from a huge asteroid in the next 100 years
- D) thousands of asteroids, some large enough to annihilate entire cities, will one day hit Earth
- E) a huge asteroid hurtling tow ards Earth is destined to cause catastrophic extinction upon impact



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90+ YDS 9.Gün İsmail Turasan

Gene variants inherited from one of our closest extinct relatives, the Denisovans, may make carriers more likely to develop neuropsychiatric disorders such as depression and schizophrenia, a new study suggests. Modern humans are believed to have migrated out of Africa around 60,000 years ago and then interbred with Denisovans in Asia. As a result, traces of Denisovan DNA can be found within the genomes of some people today: About 4% to 6% of modern New Guinean and Bougainville Islander DNA is Denisovan, as well as about 0.2% of mainland Asians and Indigenous American DNA. Now, new research has revealed that modern human populations outside Africa have a variation in a gene called SLC30A9 that was inherited from the Denisovans. This gene codes for a mitochondrial protein called ZnT9 that regulates zinc transport and cellular metabolism. Heat is released during metabolism, so it is possible that the SLC30A9 variant may have been selected for in the past because it helped our ancestors adapt to new, colder environments. How ever, given that zinc dysregulation has been implicated in several neuropsychiatric disorders, such as depression and schizophrenia, nowadays it may be a detrimental trait. The study authors stressed, though, that assumptions about the respective advantages and disadvantages of this variant are "purely speculation" at this stage.

# 47. It can be concluded from the passage that the exact date at which modern humans migrated out of Africa

- A) can explain why some people are prone to neuropsychiatric disorders
- B) is when they also met Denisovans precisely 60,000 years ago
- has a lot to do w ith w henthey first contacted Denisovans
- remains a mystery as scientists barely have any idea about it
- is, in fact, unknow n and can only be guessed by scientists

## 48. According to the passage, the main finding of the new study regarding gene variants inherited from Denis ovans shows that ---.

- A) Denisovan DNA is absent in modern human populations outside Africa
- B) the SLC30A9 gene variant inherited from Denisovans is linked to zinc dysregulation
- carriers of Denisovan gene variants are less likely to develop neuropsychiatric disorders
- D) Denisovan DNA makes up a significant portion of the genomes of modern New Guineans
- E) the SLC30A9 gene variant was not found in modern human populations

# 49. Which of the following is true about Denisovan DNA according to the passage?

- A) It is the highest among people from modern New Guinea and Bougainville Island.
- It is spread throughout the world, with at least 0.2% of the entire population carrying the DNA.
- C) Some people, such as mainland Asians, have no traces of it in their genomes.
- D) Approximately 2% to 4% of African populations have it in their genomes.
- E) The study did not investigate the presence of it in Native American populations.

# 50. The passage suggests that the gene variant in question----.

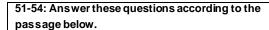
- A) may have been selected for due to its association with depression and schizophrenia
- B) may have been preferred for its detrimental effects on neuropsychiatric health
- has been applauded for its role in preventing zinc dysregulation
- D) may have helped ancestors acclimatize to colder environments
- ended up in some humans for its positive impact on mental health

## 50b. It can be concluded from the passage that ---.

- w e have yet to discover more before w e can reach conclusive evidence as to the new gene variant
- B) the pros and cons of the new variant are far from speculation at this stage
- c) our ancestors developed neuropsychiatric disorders such as schizophrenia more than w e do
- D) ancestors acclimatized to colder environments much later than assumed
- E) the positive impacts of the new variant on mental health outweigh the negative ones







90+ YDS 9.Gün İsmail Turasan

Still standing in Baghdad, Iraq, the Mustansiriya Madrasah is one of the oldest universities in the world. It was established by Caliph Al-Mustansir, of the Abbasid Dynasty, in 1227 and took six years to be completed, opening its doors to students on 6 April 1233. At the time, madrasahs (schools) were used to foster Islamic thought and the Mustansiriya Madrasah was no different. Teaching Islamic doctrines as well as a range of other subjects, the school provided an advanced education for students who travelled to and stayed at the university to study under the guidance of prominent tutors. The building itself is an astounding model of Islamic architectural design and remains an impressive example of the use of decorative geometric patterns that became popular during this period. The Madrasah operated as a university for nearly a century, surviving the Mongol Conquest of 1258 when it was partially destroyed but later rebuilt. Though studies continued under the Mongols for a period, the university eventually closed its doors, with evidence showing that the building was used for a time as a caravanserai (a type of roadside inn). The Ottomans took control in Baghdad in 1534, and the school building was then used by craftsmen before becoming a customs office in later centuries. In the 20th century, the significance of the Mustansiriya Madrasah w as recognised by the Directorate of Antiquities in Iraq, and the building began to be restored and preserved, with several of the surrounding buildings being demolished in order to restore the Madrasah's original boundaries.

# 51. According to the passage, the Mustansiriya Madrasah servedits original purpose ----.

- A) for more than a millennia under the Ottoman rule
- B) despite attempts to use it for other purposes
- C) for only a fraction of its existence until present day
- D) for much longer a period than its predecessors in the region
- E) for students who were originally living in Baghdad in those days

### 52. It is clear from the passage that the Mustansiriya Madrasah ---.

- A) took more than six years to construct and another five years to start educational facilities
- B) was the first example of a madrasah that also gave education on subjects other than Islamic doctrines
- C) thrived w hile it was being used as a caravanserai during the Ottoman rule
- D) is among the remarkable examples of Islamic architectural design
- E) had to be demolished in the beginning of the 20th century

# 53. What can be said about the impact of the Mongols and Ottomans on the Mustansiriya Madrasah according to the passage?

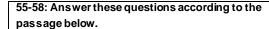
- A) Their conquests in different centuries brought an end to its educational facilities.
- B) Their control in Baghdad meant that the facility kept its original purpose of education.
- C) They eventually helped the madrasah gain its current prominent place in architecture.
- D) They were responsible for the use of decorative geometric patterns in its construction.
- Their intervention in educational facilities brought the demise of the institution.

### 54. Which could be the best title for this passage?

- A) The Decline of Education: Mustansiriya Madrasah's Lost Impact
- B) Legacy of Learning: The Mustansiriya Madrasah in Baghdad's Rich History
- C) Lost Treasures: Unearthing Forgotten Histories of Baghdad's Structures
- D) Architectural Marvels: Baghdad's Hidden Gems Beyond Mustansiriya
- E) Ottoman Transformations: Mustansiriya Madrasah's Shift in Purpose







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As the smallest living units, cells are key to understanding disease - and yet so much about them remains unknow n. We do not know, for example, how billions of biomolecules like DNA, proteins, and lipids - come together to act as one cell. Nor do we know how our many types of cells interact within our bodies. We have limited understanding of how cells, tissues, and organs become diseased and what it takes for them to be healthy. Artificial Intelligence (AI) can help us answer these questions and apply that know ledge to improve health and well-being worldwide - if researchers can access and harness these powerful new technologies. Imagine if we had a way to represent every cell state and cell type using AI models. A "virtual cell" could simulate the appearance and known characteristics of any cell type in our body - from the rods and cones that detect light in our retinas to the cardiomyocytes that keep our hearts beating. Scientists could use such a simulator to predict how cells might respond to specific conditions and stimuli: how an immune cell responds to an infection, what happens at the cellular level when a child is born with a rare disease, or even how a patient's body will respond to a new medication. Scientific discovery, patient diagnosis, and treatment decisions would all become faster, safer, and more efficient.

# 56. According to the passage, Al could benefit the field of cell research by ----.

- A) representing every cell state using AI models
- B) limiting access to pow erful new technologies
- C) excluding AI from scientific discovery
- D) decreasing the efficiency of patient diagnosis
- E) avoiding the use of AI in treatment decisions

# 57. One of the potential applications of a virtual cell simulator mentioned in the passage is ----.

- A) predicting the appearance of different cell types
- B) simulating the interactions betw een cells, tissues, and organs
- c) predicting how cells respond to specific conditions and stimuli
- D) simulating the appearance and known characteristics of any cell type.
- E) determining the roles of biomolecules in cellular functions

# 55. What is the primary challenge highlighted in the passage regarding understanding cells?

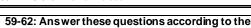
- A) Identifying the smallest living units within our retinas
- B) Deciphering the interaction of biomolecules within a cell
- Explaining the roles of various types of cells in the body
- Investigating how cells, tissues, and organs become healthy
- E) Unraveling the mysteries of DNA, proteins, and lipids

# 58. Which of the following best describes the attitude of the author of the passage towards the use of AI in handling of human cells?

- A) humorous
- B) sarcastic
- C) cautious
- D) optimistic
- E) pessimistic







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passage below.

Italians cannot be typified by any one physical characteristic, a fact that may be explained by the past domination of parts of the peninsula by different peoples. The Etruscans in Tuscany and Umbria and the Greeks in the south preceded the Romans, who "Latinized" the whole country and maintained unity until the 5th century. Jews arrived in Italy during the Roman Republic, remaining into present day. With the collapse of the Roman Empire in the West, Italy suffered invasions and colonization, which inevitably affected its ethnic composition. With some exceptions, the north was penetrated by Germanic tribes crossing the Alps, while the south was colonized by Mediterranean peoples arriving by sea. The Byzantines were dominant in the south for five centuries, coinciding with the supremacy of the Lombards (a Germanic tribe) in Benevento and other parts of the mainland. In the 9th century Sicily was invaded by the Saracens, who remained until the Norman invasion in the early 11th century. The Normans were succeeded by the Aragonese in 1282, and in 1720 Sicily came under Austrian rule. This mixed ethnic heritage explains the smattering of light-eyed, blond Sicilians in a predominantly dark-eyed, dark-haired people. Except for the Saracen domination, the Kingdom of Naples, which formed the lower part of the peninsula, had a similar experience, whereas the northern part of Italy, separated from the south by the Papal States, was much more influenced by the dominant force of the Austrians. The Austrian admixture, combined with the earlier barbarian invasions, may account for the greater frequency of light-eyed, blond Italians originating in the north.

# 59. It is clear from the passage that what is now Italy

- A) has endured many invasions by different groups throughout its history
- B) came into being only in the latter part of the 19<sup>th</sup> century
- W as once under the absolute dominion of people from Austria
- D) was established by the Romans, who killed the Greeks and Etruscans in the 5<sup>th</sup> century
- E) is actually under the influence of Germanic tribes, rather than people from the Mediterranean

### According to the passage, the main reason why Italy has a diverse ethnic composition today ---.

- A) is, in fact, as a result of the fact that it keeps welcoming people from different ethnicities
- B) remains a mystery, and it has long been scrutinized by anthropologists
- c) is mainly due to the occasional domination of Germanic tribes during its history
- D) defines w hat the country is at the moment, w ith its food culture especially
- E) has to do with invasions and colonisation it was subject to after the collapse of the Roman Empire

# 61. The passage suggests that the presence of the Byzantines in Italy ----.

- A) was the shortest among those of other nations
- B) overlapped with that of the Lombards
- C) brought about great changes in its ethnicity
- D) was ended by an invasion by the Lombards
- E) eventually brought the Saracens into the region

## 62. According to the passage, the prevalence of lighteyed, blond Italians in the northern parts of Italy ----.

- A) has a lot to do with the Etruscan influence and Byzantine dominance
- B) is mainly due to the Papal States separating the north and south
- may be the result of the Austrian domination of the region, as well as the barbaric invasions
- took place after the Saracens dominated the region for a long time
- E) originated mainly after the collapse of the Roman Empire





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63-67: For these questions, choose the best option to complete the dialogue.

#### 63. Craig:

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 I've been using the immune booster promoted by this famous social media influencer.

Leia:

— And you think you are much healthier now?

### Craig:

 What is wrong with a strong immune system? I know for a fact that a weak one isn't good for you.

Leia:

#### Craig:

- Hmm. Maybe I should consult with the GP about the correct dose for the supplement.
- A) Both have downsides: a weak immune system means you'll find it difficult to fend off illness, but with a strong one, you might end up with allergies.
- B) The immune system is the mobile defense system of your body, w hich protects your body from infection and disease.
- C) Eating a w ell-balanced diet, exercising regularly, reducing stress and getting decent sleep can help your body maintain a healthy immune system.
- D) You're right, and a strong immune systemmeans being extremely healthy, w hile experts say it is all about balance.
- E) In reality, vaccines are the only safe and effective tool beyond healthy lifestyle behaviors to support your immune system.

### **64.** Jim:

 Even though we live in an increasingly globalized world, the number of college students in the US taking languages is rapidly falling.

#### Desmond:

And what is wrong with that? Not everyone wants to learn a new language.

Jim: — ----

Desmond:

 Wow!I didn't think about it that way. That country is really different from the other ones, isn't it?

Jim:

- It definitely is.
- A) You may be right, but languages require hundreds to thousands of hours of study to reach professional proficiency.
- But, as a global contender in economy, and occasional target of terrorism, Americans think learning languages is critical to national security.
- C) A year after 9/11, college-level enrolments in Arabic almost doubled to over 10,500, and they peaked in 2009 at just under 35,000.
- D) But Americans think overcoming foreign language shortfalls is easier said than done, and these gaps cannot be filled overnight.
- E) But this happened despite the lockdow n due to Covid-19, when they had all the time to start learning a new foreign language.







### **65.** Greg:

I thought evolutionary adaptation was a real thing.

### Meredith:

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 What makes you say that? You are a welleducated man as far as I know.

Greg:

#### Meredith:

 That is because the change is occurring much faster than species are changing, which means only the quick adapters will survive.

#### Greg:

- I get it. We should really do something to stop this climate change.
- A) What does have anything to do with my education? That animals are dying in disproportionately high numbers matters.
- B) Some species have been able to meet the challenge with rapid evolutionary adaptation and other changes in behavior or physiology.
- C) For example, dark-colored dragonflies are getting paler in order to reduce the amount of heat they absorb from the sun.
- D) I know that in animals that take several years to reach breeding age, the climate has already shifted by the time their offspring are born.
- If there were, or if it were working properly, we wouldn't be losing so many species to global warming.

### **66.** Jane:

 I don't think fe ars about Artificial Intelligence taking over the planets have a sound base. We will always be in control of machines.

#### Rick:

 It is not about control: it is really about our dependence on it. Al plays a visible part in many people's daily lives, from face recognition unlocking your phone to speech recognition powering your digital as sistant.

Jane:

Rick:

 But it also plays roles you might be vaguely aware of – for example, shaping your social media and online shopping sessions, guiding your video-watching choices and matching you

#### Jane:

Alright. I start to get your point and where the technology is going.

with a driver in a ride-sharing service.

- A) But my point is about the claims that AI will control us in the future.
- B) Al also affects your life in ways that might completely escape your notice.
- C) Ok, but this doesn't mean everyone depends on AI in their daily lives.
- D) Many of the AI systems that fly under the radar have biases that can cause harm.
- E) We will never be vulnerable against AI even when it is ubiquitous.







#### 67. Professor:

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 Sarah, I noticed some similarities between your recent paper and an online source. Can you explain?

Sarah:

\_ ----

#### Professor:

 I am sorry, but it is not that simple. We have a code of ethics in this institution, and those who violate it will be punished severely. Please cite that part properly in the final version.

#### Sarah:

Yes, ma'am. I assure you that it will not happen again.

#### Professor:

- Ok. Now you may leave.
- A) You must have mistaken my paper with some other student's. I am alw ays careful about citations.
- B) I did exactly w hat you told in the previous lesson. Nothing more.
- C) I had it checked by a classmate of mine, and she didn't tell me anything about that part.
- D) The w ay academic papers are w ritten is a little tedious, don't you think?
- E) Oh, I didn't think it was a big deal. I mean, everyone uses the internet for research, right?

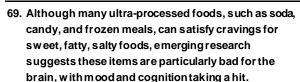
68-71: For these questions, choose the best rephrased form of the given sentence

- 68. The world's nations are taking more concrete steps to tackle climate change than ever before, but they are still very far from making the sweeping changes needed to keep global temperatures at relatively safe levels.
  - A) While nations worldwide are increasingly taking concrete actions to combat climate change, they are still a considerable distance away from enacting the comprehensive changes necessary to ensure that global temperatures remain within relatively safe
  - B) Although there is a growing commitment among some nations to address climate change through tangible measures, they are still significantly distant from making the transformative changes required to maintain global temperatures at levels considered relatively safe
  - C) Though countries around the globe are implementing more tangible measures to address climate change than in the past, they remain significantly distant from implementing the extensive changes required to maintain global temperatures at reasonably safe levels.
  - D) Despite the ever-increasing efforts of nations to confront climate change with concrete actions, they remain far from implementing the extensive changes needed to ensure that global temperatures stay within what is thought a relatively safe range.
  - E) While nations are increasingly taking concrete measures to address climate change, the significant gap persists in implementing the transformative changes necessary to keep global temperatures within what is considered a relatively safe range.





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- A) While ultra-processed foods like soda, candy, and frozen meals will certainly fulfil cravings for sweet, fatty, and salty flavours, recent research indicates that these products can have detrimental effects on the brain, impacting mood and cognition.
- B) It is possible for numerous ultra-processed foods, including soda, candy, and frozen meals, to satisfy cravings for sweet, fatty, and salty tastes, but recent research suggests that these items have particularly negative effects on the brain, causing a decline in mood and cognition.
- C) Despite their ability to satisfy cravings for sweet, fatty, and salty flavours, ultra-processed foods like soda, candy, and frozen meals are increasingly related to detrimental effects on the brain, suggesting that mood and cognition may suffer as a result.
- D) Ultra-processed foods such as soda, candy, and frozen meals can provide satisfaction for cravings of sweet, fatty, and salty preferences; however, emerging research points to their adverse impact on the brain, affecting mood and cognition.
- E) Ultra-processed foods offering the gratification of sw eet, fatty, and salty cravings are increasingly recognized for their potential harm to the brain, as suggested by recent research indicating a negative impact on mood and cognition.

- 70. Scientists have found that sharks have a positive impact on the marine carbon cycle by eating herbivorous fish or restricting the areas where they live, and this limits their prey's ability to eat marine vegetation, which is crucial for carbon absorption.
  - A) Researchers have discovered that sharks play a beneficial role in the marine carbon cycle by either consuming herbivorous fish or constraining the regions in w hich they reside, which, in turn, restricts the ability of their prey to consume marine vegetation, w hich is essential for carbon absorption.
  - B) The recent discovery that sharks contribute positively to the marine carbon cycle by either consuming herbivorous fish or confining the areas in w hich they dwell is important due to their crucial role in carbon absorption by limiting the ability of prey to consume marine vegetation.
  - C) Scientists have found that sharks play a beneficial role in the marine carbon cycle by either consuming herbivorous fish or restricting their habitat is significant, and this is because sharks, by limiting their prey's capacity to consume marine vegetation, are crucial contributors to carbon absorption.
  - D) The discovery that sharks contribute positively to the marine carbon cycle through either consuming herbivorous fish or restricting their habitat is notew orthy, which is w hy sharks play a crucial role in carbon absorption by limiting their prey's ability to consume marine vegetation.
  - E) What researchers have discovered recently is that sharks have a positive impact on the marine carbon cycle by eating herbivorous fish or restricting the areas w here they live, and this limits their prey's ability to eat marine vegetation, w hich is crucial for carbon absorption.
- 71. Even though your stomach has a hormonal system for telling your brain when it is empty, this is often augmented by the learned as sociation between times of day and feeling hungry.
  - A) Despite the hormonal system in your stomach telling the brain when it is empty, this command is often enhanced by the link between times of day and feeling hungry.
  - B) In spite of the hormonal signals from the stomach indicating emptiness to the brain, this directive is frequently amplified by the connection between specific times of the day and the sensation of hunger.
  - C) Even with the stomach's hormonal signals notifying the brain of emptiness, this communication is often intensified by the association between certain times of the day and the experience of hunger.
  - D) Your stomach possesses a hormonal system to signal emptiness to your brain, but this is frequently enhanced by the learned connection between specific times of the day and the sensation of hunger.
  - E) Although the hormonal system in your stomach communicates when it is empty to the brain, this message is frequently heightened by the established connection between specific times of the day and the sensation of hunger.





72-75: For these questions, choose the best option to complete the missing part of the passage.

- 72. Napoleon Bonaparte first gained fame when he helped France wrest an unlikely victory against the Austrians in Italy in 1796, earning him the nickname the "Little Corporal." --- Hailed as a national hero, he seized political power over France in a 1799 coup. As emperor, he attempted to expand France's reach across the world. Napoleon had charisma and huge ambitions. But throughout his life and career, Napoleon was ridiculed for his short stature. His own soldiers gave him several pet names, most of which started with "le petit" ("the little").
  - A) It would take a disastrous Russian campaign and a coalition among his rivals, to bring him down.
  - B) He was deposed in 1814 and spent nine months in exile on the Italian island of Elba.
  - His military prowess led to even more victories, all characterized by daring, even foolhardy, strategies.
  - D) During his life, Napoleon was described as both slight and impressive, short and average.
  - E) Regardless of his actual height, Napoleon inspired the theory that short men attempt to make up for their height with daring deeds.
- 73. You sit down to dinner with a rumbling stomach and finish the meal in record time but then, half an hour after clearing your plate, you suddenly feel uncomfortably full, as if your tummy could pop. ---- But exactly how long does it take for your brain to register that you are full? It does, indeed, take on average 20 minutes for your body to send signals to your brain to indicate that you have had enough to eat. However, the exact duration of the lag between when you eat and when you feel full depends on a multitude of factors, including the type of food you are eating and your typical eating habits.
  - A) There is a time gap betw een when you have eaten enough to satisfy your hunger and when the brain actually realizes that you are full.
  - B) The time it takes for the body to generate satiety signals and send them to your brain also depends on the type of food you are eating.
  - C) Certain medical conditions, such as hypothyroidism and diabetes, can disrupt satiety signals by slow ing down the passage of food through the stomach.
  - D) Foods high in fibre, such as fruits, vegetables and whole grains, tend to promote satiety.
  - E) People say there is a lag between taking your first bite and satisfying your hunger, and the general belief is that it lasts around 20 minutes.

74. True history of the teddy bear begins in the American wilderness. In November 1902, President Theodore Roosevelt embarked on a hunting trip in Mississippi with one main goal: to bag a black bear. As the tale goes, after Roosevelt had scoured the brush for several days without so much as spotting one, some of his hunting companions corralled an injured old bear and tied it to a willow tree. --Horrified, the president refused, saying it would be unseemly unsporting for a man of honour to kill this vulnerable creature. He ordered the decrepit bear to be euthanized, and this odd show of mercy quickly became news.

Angora Dil

- A) Here, they said, w as Roosevelt's opportunity to slay one and declare victory.
- President's companions were hesitant to offer the animal to him at first.
- C) It took a few hours of fierce struggle to restrain the bear, as in a bad condition as it was.
- D) Roosevelt, they said, was developing an obsession with hunting wild bears.
- E) The w ay hunting w as done did not really matter for anyone as there w eren't any action groups.
- 75. Sleep apnoea involves lapses in breathing during sleep. ---- Now, Giovanni Traverso at the Massachusetts Institute of Technology and his colleagues have developed an ingestible electronic device that may allow home assessment of sleep apnoea. The device, roughly the size of a vitamin supplement, contains an accelerometer that measures breathing and heart rate by detecting vibrations in the gut. It also has a medical-implant radio to transmitthis information to an external computer. By the information it sends, the software can tell whether a person has sleep apnoea or not.
  - A) An electronic pill that can measure your breathing and heartrate might be able to diagnose sleep apnoea or detect opioid over doses.
  - B) Diagnosis usually involves an overnight stay in hospital for monitoring vital signs, including breathing and heart rate.
  - The team tested the smart pill in 10 people w ho w ere already booked in at the West Virginia University Medicine Sleep Evaluation Center.
  - D) The researchers think the pill can also be given to opioid users to detect if they stop breathing due to an overdose.
  - E) The pill is typically excreted w ithin a day, w hich could limit its utility in detecting overdoses among opioid users.



A)I

B) II

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76-80: For these questions, choose the irrelevant sentence in the passage.

76. (I) Depression is the most common mental health condition globally, and is especially prevalent in adolescents. (II) In the US, for instance, an estimated 1 in 5 teenagers met the criteria for major depressive disorder in 2021. (III) How ever, not everyone experiences depression in the same way, so the results may not capture all the biological markers that indicate the condition. (IV) On the other hand, diagnosing and treating the condition is difficult due to a lack of objective measures for it. (V) Now, a new blood test could help identify teenagers who are more susceptible to depression, and lead to earlier interventions.

C) III

D) IV

E) V

- 77. (I) On 24 December 1923, an event that would go on to mark Christmas in Washington DC every year took place for the first time. (II) An enormous tree was erected in front of the United States of America's most famous building. (III) Not only was it the first time a Christmas tree had been put up outside the White House, rather than just being indoors, it was the first to be decorated with electric lights. (IV) A large crowd gathered to witness the inaugural lighting of the tree w hich would be performed by the then President Calvin Coolidge, who hit the button and began a tradition that w ould endure through numerous presidents into the modern day. (V) Donated by Middlebury College in Vermont, President Coolidge's home state, the fir tree stood in its glory at 48 feet high.
  - A)I B) II C) III D) IV E) V
- 78. (I) Sending supplies to a future Martian colony by spacecraft would be expensive, which makes producing materials with Mars's natural resources an appealing option. (II) How ever, the Red Planet doesn't have the same wealth of elements as Earth does. (III) It still might be easier to design materials on Earth and send them to Mars. (IV) To get around this shortage of minerals, researchers at the University of Science and Technology in China have developed a fully automated robot. (V) The machine used a laser to analyse the chemical make-up of five Martian meteorites and found six elements in significant quantities, which could be used in the future to produce materials on Mars.
  - A)I
- B) II
- C) III
- D) IV
- E) V

- 79. (I) Bonobos often formfriendly alliances with other bonobos in separate social groups - the first time this has been seen in non-human primates.
  - (II) Many animals including various mammals and birds - cooperate, but they seem to do so only with those within their close social circle, or in-group.
  - (III) This is in line with humans, but in stark contrast to chimpanzees, which frequently kill chimps in other groups. (IV) The findings challenge the idea that humans evolved from ancestral ages that were innately violent, says Martin Surbeck at Harvard University.
  - (V) "This potential to form collaborative links between different groups is not uniquely human and it might have occurred earlier than we thought," he says.
  - A)I
- B) II
- C) III
- D) IV
- E) V
- 80. (I) For many people, climate science brings to mind satellite observations, temperature records or the analysis of ice cores. (II) Asking indigenous people about the changes they are witnessing helps us to understand w hat matters to them and w hat issues require attention. (III) But there is plenty more data besides that as can be seen among indigenous communities that have long lived close to the land - and have traditionally depended on deep know ledge of their environments to survive - and often hold their ow n records and recollections. (IV) These can include extraordinary details about alterations in weather patterns, changes in vegetation or unfamiliar behaviour of animals that have emerged under their watch. (V) Today, anthropologists and climate researchers
  - about the world around them. A)I
    - B) II
- C) III

w orking for Western institutions are increasingly turning

to indigenous people to ask what they have observed

- D) IV
- E) V