

**Set 1**

**1. The rapid urbanization of coastal regions is causing a significant decline in marine biodiversity, leading to ---- repercussions for the ecosystem.**

- A) indeterminate
- B) deleterious
- C) fortuitous
- D) negligible
- E) salutary

**2. The discovery of gravitational waves has provided scientists with a new way to study black holes, which offers ---- insights into their formation and behavior.**

- A) condensed
- B) revolutionary
- C) ambiguous
- D) superfluous
- E) outdated

**3. The eminent physicist explained the complex theory of black holes so ---- that even those without a scientific background could understand it.**

- A) vaguely
- B) intricately
- C) concisely
- D) ambiguously
- E) elaborately

**4. The professor described the intricate mechanisms of black hole formation so ---- that even the most complex concepts were covered in great detail.**

- A) briefly
- B) ambiguously
- C) directly
- D) elaborately
- E) hastily

**1. C**

**for·tu·i·tous** / adjective formal

happening by chance, especially in a way that has a good result / incidental, by chance

The meeting with the new boss of the company was fortuitous.

**1. E**

**sal·u·ta·ry** / adjective formal

**a salutary experience** is unpleasant but teaches you something

salutary experience/lesson/reminder etc

Failing on the test (YDS) due to simple mistakes must have taught us a salutary lesson. 😊

**2. D**

**su·per·flu·ous** / adjective formal

more than is needed or wanted SYN unnecessary, redundant

a modern building with no superfluous decoration

**3. & 4.**

**"elaborately"** means in a detailed and complicated manner, which doesn't fit as well in the context of making something easy to understand for those without a scientific background.

**"Concise"** implies clarity and simplicity, making complex ideas easier to grasp, whereas "elaborate" implies adding more detail, which could make the explanation more complicated.

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5. The continued overuse of natural resources is leading to the gradual ---- of vital ecosystems, and thus making conservation efforts more urgent.

- A) depletion
- B) enhancement
- C) diversification
- D) restoration
- E) stabilization

6. In order to address the pressing issue of climate change, the organization has announced its intention to make a significant impact by ---- to a comprehensive strategy that includes transitioning to renewable energy sources, enhancing energy efficiency, and reducing overall carbon emissions.

- A) allowing
- B) resisting
- C) admitting
- D) deterring
- E) committing

7. In the competitive field of research funding, institutions must meet a series of stringent criteria to determine their ---- for receiving grants, which includes demonstrating past successes, having qualified personnel, and showing the capacity to effectively utilize the funds.

- A) relevance
- B) eligibility
- C) proficiency
- D) complexity
- E) proneness

8. In the context of academic research, the significance of a study is often evaluated based on its ---- to current scientific questions and societal issues, determining how well it contributes to advancing knowledge or addressing pressing problems in the field.

- A) relevance
- B) exposure
- C) adherence
- D) accountability
- E) opposition

7. In this context, "eligibility" specifically refers to the conditions or qualifications required to qualify for something, such as grants. "Proficiency" wouldn't be the appropriate term since it doesn't address the concept of meeting specific requirements or criteria.

**9. In scholarly writing, it is crucial to provide proper ---- of sources to avoid plagiarism and to give credit to original authors for their ideas and findings, ensuring academic integrity and transparency in research.**

- A) attribution
- B) evaluation
- C) speculation
- D) justification
- E) comparison

**10. When submitting research for publication, it is essential to provide appropriate ---- to all contributors who played a significant role in the study, acknowledging their contributions and ensuring that their efforts are recognized in the final manuscript.**

- A) credit
- B) feedback
- C) analysis
- D) quotation
- E) resource

**11. In historical research, providing a detailed ---- of events is crucial for understanding the context and implications of past occurrences, as it allows scholars to analyze the causes, effects, and significance of various phenomena.**

- A) account
- B) synthesis
- C) evaluation
- D) hypothesis
- E) comparison

**12. In statistical analysis, it is crucial to ---- the variability in the data by considering all relevant factors and potential sources of error, to ensure that the conclusions drawn from the research are accurate and reliable.**

- A) account for
- B) take up
- C) switch to
- D) draw on
- E) credit with

10. In the context of acknowledging contributions to a study, "credit" is the correct term because it refers to recognizing and giving acknowledgment to those who contributed.

11. In this context, "account" is the most appropriate term because it refers to a detailed narrative or description of events. An "account" provides a comprehensive understanding of the historical context and implications.

"Evaluation," while important in research, refers more to the assessment or judgment of the significance and quality of something, rather than providing a detailed narrative or description. Therefore, "account" better captures the idea of a thorough and detailed recounting of events.

"Quotation" refers to the act of citing someone else's exact words, which doesn't fit the context of acknowledging contributions to a study.

"Comparison" wouldn't be the best fit because it involves analyzing similarities and differences between two or more subjects rather than providing a detailed narrative or description of events.

In the context of understanding historical occurrences, "account" implies a detailed and comprehensive narrative, which is essential for grasping the full context and implications of past events. "Comparison," on the other hand, would focus on contrasting different elements rather than giving a full description of a single set of events.

**Set 2**

**1. The migration patterns of certain bird species in North America ---- to changes in seasonal weather for millenia, but those patterns now seem ---- by urban expansion.**

- A) will be connected / to be altered
- B) were connected / to have been altered
- C) had been connected / to be altering
- D) have been connected / to alter
- E) would be connected / altered

**2. Historically, the agricultural productivity of many plains ---- to groundwater availability; however, this dependence appears ---- by prolonged droughts and unsustainable water usage.**

- A) was linked / to have been affected
- B) is linked / to be affected
- C) had been linked / to affect
- D) has been linked / having been affected
- E) would be linked / to have affected

**3. The latest advanced computational model ---- data sets in seconds that ---- a traditional supercomputer several millennia to process.**

- A) must analyze / could necessitate
- B) might analyze / had to necessitate
- C) would analyze / used to necessitate
- D) has to analyze / will necessitate
- E) can analyze / would necessitate

**4. Given the current trends in greenhouse gas emissions, the global temperature ---- by at least two degrees Celsius over the next century, which will likely - ---- the impacts of global warming on polar ice caps and sea levels.**

- A) must rise / exacerbating
- B) might rise / exacerbated
- C) will rise / to exacerbate
- D) should rise / exacerbate
- E) can rise / to be exacerbated

**5. If current deforestation rates continue, the world's rainforests ---- significantly within the next fifty years, inevitably ---- biodiversity and contribute to climate change.**

- A) could diminish / reduce
- B) might diminish / having reduced
- C) will diminish / to reduce
- D) should diminish / reduced
- E) can diminish / reducing

**6. If the industrial revolution ---- in the 19th century, the levels of pollution and greenhouse gases ---- as drastically by now, potentially averting many of the environmental challenges we face today, such as global warming, deforestation, and the loss of biodiversity.**

- A) did not take place / would not have escalated
- B) had not taken place / would not have escalated
- C) does not take place / will not escalate
- D) had not taken place / should not have escalated
- E) did not take place / would not escalate

**7. If more stringent environmental regulations ---- implemented formerly, we ---- fewer issues with air quality and climate change today.**

- A) were / would experience
- B) had been / would be experiencing
- C) are / will experience
- D) have been / could be experiencing
- E) had been / would have experienced

**8. If policymakers ---- the long-term data trends carefully, they ---- that the economic policies implemented in the early 2000s would eventually lead to the financial crisis of 2008.**

- A) analyzed / needn't have guessed
- B) are analyzing / can guess
- C) analyze / will have guessed
- D) have analyzed / could have guessed
- E) had analyzed / should have guessed

**Set 3**

**1. The research team's findings on the effects of climate change were published ---- a renowned scientific journal, and they are expected to have significant implications ---- future environmental policies.**

- A) at / off
- B) by / with
- C) in / for
- D) on / with
- E) to / of

**2. The analysis identified several discrepancies in the experimental results that deviated ---- the original theoretical framework, necessitating a thorough investigation ---- additional controlled trials and comprehensive data reviews to refine the hypotheses and validate the findings.**

- A) at / forward
- B) by / with
- C) off / about
- D) from / with
- E) to / onto

**3. The research traced the shifts ---- consumer behavior from traditional purchasing methods ---- digital platforms, analyzing how these transitions influenced market dynamics and consumer preferences through comprehensive statistical modeling and longitudinal surveys.**

- A) up / toward
- B) by / within
- C) off / into
- D) from / with
- E) in / onto

**4. The research investigated gene expression patterns ---- different environmental conditions and explored how these patterns extend ---- the immediate effects to influence long-term evolutionary adaptations in various species through comparative genomics and field studies.**

- A) across / beyond
- B) with / via
- C) upon / along
- D) on / without
- E) in / throughout

**5. The study examined how advancements in artificial intelligence integrate with existing technological infrastructures, alongside evaluating the impact of these integrations ---- operational efficiency and innovation within various industries ---- empirical data analysis and case studies.**

- A) into / beyond
- B) with / through
- C) upon / along
- D) on / without
- E) out / off

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1. **Fear of large predators is pushing bobcats and coyotes into closer contact with humans, with ---- consequences.**
  - A) feasible
  - B) volatile
  - C) fatal
  - D) assertive
  - E) crucial
  
2. **Since no one has ever --- observed a real black hole,so we can never be sure that analogue black holes are a good guide to the real thing.**
  - A) appropriately
  - B) directly
  - C) defensively
  - D) remarkably
  - E) extensively
  
3. **A simple software upgrade could improve the ---- of wind turbines by ensuring that they face directly into the wind more of the time.**
  - A) depletion
  - B) efficiency
  - C) evolution
  - D) destruction
  - E) explanation
  
4. **Drawing energy from the sea surface and ---- its strength as long as it remains over warm water, a tropical cyclone generates winds that exceed 120 km per hour.**
  - A) maintaining
  - B) delivering
  - C) rehearsing
  - D) testifying
  - E) committing
  
5. **A climbing vine from West Africa can become a meat-eater when it doesn't get enough ---- from the soil.**
  - A) dependence
  - B) attribution
  - C) curiosity
  - D) nutrition
  - E) eligibility
  
6. **Decades before Steven Spielberg's Jaws (1975) convinced beachgoers not to go into the water, there was one fateful summer when a series of shark attacks - --- widespread panic and earned these giant fish a bad reputation for good.**
  - A) depended on
  - B) went through
  - C) led to
  - D) made of
  - E) caught up
  
7. **The boom and bust cycles of desert grasses in the US Southwest ---- to temperature patterns in the Pacific Ocean, but that link now seems ---- by climate change.**
  - A) were linked / to be breaking
  - B) are linked / to have been broken
  - C) had been linked / to be broken
  - D) have been linked / to break
  - E) would be linked / having been broken
  
8. **The first practical example of a new kind of computer ---- calculations in minutes that ---- a normal version longer than the age of the universe.**
  - A) can complete / would take
  - B) might complete / had taken
  - C) would complete / took
  - D) has to complete / has taken
  - E) is supposed to complete / is taking
  
9. **An ink that changes colour when exposed ---- light, like an octopus does to match its surroundings, could one day be used ---- automatic camouflage.**
  - A) by / from
  - B) behind / amid
  - C) from / in
  - D) above / at
  - E) to / for
  
10. **Studying interstellar objects ---- Earth could reveal new insights ---- the formation of distant star systems.**
  - A) onto / about
  - B) above / on
  - C) around / into
  - D) from / to
  - E) below / in

11. Genetically modified blood stem cells have increased the lifespan of mice ---- 20 per cent and could soon be tested ---- a human cancer treatment.
- A) of / from  
B) at / for  
C) off / into  
D) by / in  
E) in / through
12. There are now more than 800 breeds of cattle, ---- most breed organizations recognize only a small fraction of that number.
- A) before  
B) because  
C) though  
D) until  
E) unless
13. Bowhead whales, the world's longest-lived mammals, are seldom affected by cancer and this may partly be ---- their cells repair damaged DNA efficiently.
- A) as if  
B) only if  
C) although  
D) by the time  
E) because
14. Butterfly species with larger wingspans have expanded their range in high-latitude parts of North America as the climate has warmed, ---- smaller butterflies and those adapted to cold conditions have tended to decline.
- A) when  
B) until  
C) since  
D) while  
E) as soon as
15. Frost quakes – also known as ice quakes or cryoseisms – occur ---- a temperature rise makes snow melt, saturating soils with water.
- A) before  
B) when  
C) even if  
D) whereas  
E) unless
16. A massive volcanic eruption in Tonga last year was ---- powerful ---- it affected satellites on the other side of the world.
- A) neither / nor  
B) either / or  
C) so / that  
D) more / than  
E) not only / but also