

# Scientific Grammar Mastery

English Grammar · Answer Key · 20 Questions

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**1. The process by which green plants use sunlight to synthesize nutrients from carbon dioxide and water is called photosynthesis; which verb tense describes this ongoing natural fact?**

- A) Present perfect
- B) Simple present**
- C) Past continuous
- D) Future perfect

**2. When describing the fact that water boils at 100 degrees Celsius at sea level, which grammatical mood is used to express the scientific truth?**

- A) Subjunctive
- B) Imperative
- C) Indicative**
- D) Conditional

**3. In the sentence 'The mitochondria are the powerhouse of the cell', which word functions as the plural subject?**

- A) The
- B) mitochondria**
- C) are
- D) powerhouse

**4. Which article is correctly used before the scientific term 'ultraviolet radiation'?**

- A) A
- B) An**
- C) The
- D) Zero article

**5. Identify the correct passive voice construction for the following statement: 'Gravity pulls objects toward the Earth's center.'**

- A) Objects are being pulled by gravity.
- B) Objects were pulled by gravity.
- C) Objects are pulled by gravity.**
- D) Objects have been pulled by gravity.

6. Choose the correct preposition to complete the sentence: 'The velocity of an object is defined \_\_\_\_ its rate of change of position.'

A) in

**B) as**

C) by

D) with

7. Which sentence correctly uses a semicolon to connect two related scientific independent clauses?

**A) Oxygen is essential for respiration; nitrogen is the most abundant gas.**

B) Oxygen is essential for respiration, nitrogen is the most abundant gas.

C) Oxygen is essential for respiration: nitrogen is the most abundant gas.

D) Oxygen is essential for respiration; and nitrogen is abundant.

8. In the phrase 'an ecosystem's equilibrium,' what grammatical function does the apostrophe-s serve?

A) Pluralization

B) Contraction

**C) Possession**

D) Adverbial modifier

9. Select the grammatically correct comparative form for the scientific adjective 'volatile' when comparing two chemical compounds.

**A) more volatile**

B) volatiler

C) most volatile

D) volatile-er

10. Which conjunction correctly completes the sentence: 'The experiment was successful, \_\_\_\_ the results were unexpected.'

A) so

B) because

**C) yet**

D) for

11. In the sentence 'Bacteria thrive in warm environments,' what part of speech is the word 'thrive'?

A) Noun

B) Adjective

**C) Verb**

D) Preposition

**12. Which sentence uses the correct plural form of the scientific term 'nucleus'?**

- A) The nucleuses of the atoms were stable.
- B) The nuclei of the atoms were stable.**
- C) The nucleii of the atoms were stable.
- D) The nuclea of the atoms were stable.

**13. Identify the correctly punctuated sentence regarding the scientific classification of a mammal.**

- A) A whale, which is a mammal, lives in the ocean.**
- B) A whale which is a mammal lives in the ocean.
- C) A whale which is a mammal, lives in the ocean.
- D) A whale that is a mammal lives, in the ocean.

**14. Which word is the superlative form used when describing the largest planet in our solar system?**

- A) Bigger
- B) Most big
- C) Biggest**
- D) More big

**15. The term 'data' is the plural of which singular noun?**

- A) Datum**
- B) Datus
- C) Date
- D) Dating

**16. Which pronoun correctly replaces 'the hypothesis' in the sentence: 'The hypothesis was tested, and \_\_\_\_ proved to be accurate.'**

- A) they
- B) it**
- C) them
- D) which

**17. Complete the sentence: 'The geological study \_\_\_\_ completed before the earthquake occurred.'**

- A) was**
- B) were
- C) be
- D) being

**18. Which adverb correctly describes how a catalyst affects the rate of a chemical reaction?**

- A) Fast
- B) Quick
- C) Rapidly**
- D) Speedy

**19. In the sentence 'Genetics is the study of heredity,' why is 'is' used instead of 'are'?**

- A) Genetics is a plural noun.
- B) Genetics is treated as a singular field of study.**
- C) Genetics is an adjective.
- D) The sentence is in the past tense.

**20. Identify the correctly placed modifier in this scientific observation: 'Looking through the microscope, the cells appeared elongated.'**

- A) The cells, looking through the microscope, appeared elongated.
- B) The cells appeared, looking through the microscope, elongated.
- C) Looking through the microscope, the cells appeared elongated.**
- D) Elongated, the cells looked through the microscope.