

# GED Full-Length Practice Test - Complete Simulation #8

DATE

## PERSONAL INFORMATION

FIRST NAME

LAST NAME

EMAIL

**1** If  $x^2 + 3x = 10$ , which of the following is a possible value of  $x$ ?

1 point

(A) -5

(B) 5

(C) -6

(D) 4

**2** The decimal equivalent of 50%, to the nearest tenth, is [.....]

1 point

(A) 0.5

(B) 0.45

(C) 0.6

(D) 0.4

**3** The decimal equivalent of 60%, to the nearest tenth, is [.....]

1 point

(A) 0.6

(B) 0.5

(C) 0.65

(D) 0.55

**4** Simplify:  $4(x + x^2 + 3x^2 - 6x)$

1 point

(A)  $-20x + 16x^2$

(B)  $-8X^2$

(C)  $20x + 16X^2$

(D)  $20x + 16x$

**5** If  $2x + 3 = 7$ , what is the value of  $x$ ?

1 point

(A) 2

(B) 1

(C) 3

(D) 4



14 Solve for  $x$ :  $5x = 20$

1 point

- (A) 4 (B) 2  
(C) 5 (D) 3

15 Consider two equations  $y = 5x + 0$  and  $y = -4x + 3$ . If these two equations were plotted on the same graph, they would meet at the point  $(x, y)$ . At that point, the slopes of the two lines would be

1 point

- (A) Undefined (B) Zero  
(C) Different from each other (D) Equal to each other

16 After dinner, Maria has to take a supplement every 55 minutes. She takes the first one at 6:00 p.m. At what time does she take her third supplement?

1 point

- (A) 8:00 p.m. (B) 7:45 p.m.  
(C) 7:50 p.m. (D) 7:40 p.m.

17 Simplify the expression completely.

$$\sqrt{20} \cdot \sqrt{10}$$

1 point

- (A)  $10\sqrt{2}$  (B)  $2\sqrt{2}$   
(C)  $\sqrt{100}$  (D)  $5\sqrt{2}$

18 The taxi fare is \$12.00 and the passenger tips the driver 20%. What is the total amount he pays?

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- (A) \$16.00 (B) \$14.40  
(C) \$12.20 (D) \$11.50

19 Every correct answer on a standardized test is worth 5 points, but every incorrect answer is scored as  $-2$  points (2 points are subtracted from the final score). Blanks are scored as 0. There are 20 questions on the test. The difference between the highest and lowest possible scores on this test is

$\left\{ \begin{array}{l} \text{more than} \\ \text{less than} \\ \text{equal to} \end{array} \right.$

100 points

- (A) more than (B) less than  
(C) equal to

20 After breakfast, Tom has to take a vitamin every 15 minutes. He takes the first one at 8:00 a.m. At what time does he take his fifth vitamin?

1 point

- (A) 8:45 a.m. (B) 8:15 a.m.  
(C) 9:00 a.m. (D) 8:30 a.m.

21 What is the value of  $x$  in the equation  $3(x + 4) = 21$ ?

1 point

- A  $x = 3$   B  $x = 9$   
 C  $x = 7$   D  $x = 5$

22 What is the value of  $x$  in the equation  $2x + 5 = 11$ ?

1 point

- A 6  B 2  
 C 3  D 4

23 The median

{  
Must be  
Can be  
Must not be

one of the data points

1 point

- A Can be  B Must be  
 C Must not be

24 Which of the following is the correct scientific notation for .000 000 000 000 000 095 242?

1 point

- A  $9.5242 \times 10^{-18}$   B  $9.5242 \times 10^{18}$   
 C  $9.5242 \times 10^{-17}$   D  $9.5242 \times 10^{17}$

25 Given that a line through point (4, -2) has slope 3, what is the equation of the line?

1 point

- A  $y = 3x - 2$   B  $y = 3x - 14$   
 C  $y = 3x - 10$   D  $y = 3x + 2$

26 Which sentence correctly uses the past perfect tense?

1 point

- A I seen him yesterday.  B I saw him yesterday.  
 C I had seen him yesterday.  D I have seen him yesterday.

27 Identify the direct object in the sentence: 'They cooked dinner for the family.'

1 point

- A dinner  B cooked  
 C family  D They

28 \_\_\_\_ was the one who fixed the computer.

1 point

- A His  B Himself  
 C Him  D He

29 Identify the sentence that correctly uses an Oxford comma.

1 point

- A I need to buy milk, bread and cheese.

- Ⓔ They visited Paris, Rome, and Berlin.
- Ⓕ He bought apples, oranges and bananas.
- Ⓖ She invited her parents, her friends and her colleagues.

**30 The company announced that it would be launching a new product next month. What does the pronoun 'it' refer to?**

1 point

- Ⓐ Product
- Ⓑ Month
- Ⓒ Company
- Ⓓ Announced

**31 Which of the following sentences is correctly parallel in structure?**

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- Ⓐ They are planning to travel, to explore, and to sightsee.
- Ⓑ I prefer cooking, baking, and to knit.
- Ⓒ She likes hiking, swimming, and to ride bikes.
- Ⓓ He enjoys reading, running, and to play basketball.

**32 The book belongs to \_\_\_\_.**

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- Ⓒ our
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**33 The jury \_\_\_\_ reached a verdict after hours of deliberation.**

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- Ⓐ were
- Ⓑ has
- Ⓒ was
- Ⓓ have

**34 Which sentence uses correct punctuation?**

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- Ⓐ I will be attending the conference next week however I have not received the agenda yet.
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**35 The author finished writing the book and then published it. What does the pronoun 'it' refer to?**

1 point

- Ⓐ Published
- Ⓑ Author
- Ⓒ Finished
- Ⓓ Book

**36 Which conjunction is used in a compound sentence?**

1 point

- Ⓐ Because
- Ⓑ Although
- Ⓒ When
- Ⓓ And

**37 Which sentence contains a dangling modifier?**

1 point

- Ⓐ Sleeping on the couch, the TV blared loudly.
- Ⓑ Laughing with friends, the joke was funny.

- Ⓒ Studying for hours, the material became clear.
- Ⓓ Climbing the mountain, the view was spectacular.

**38** In the sentence 'She bought flowers for her mother.', what is the direct object?

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- Ⓐ bought
- Ⓑ mother
- Ⓒ flowers
- Ⓓ She

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- Ⓐ Sitting on the bench, the birds chirped happily.
- Ⓑ Dancing in the rain, the music played softly.
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- Ⓐ The dogs bark loudly at night.
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**44** Identify the prepositional phrase in the following sentence: She went to the store after work.

1 point

- Ⓐ After work
- Ⓑ The store
- Ⓒ To the store
- Ⓓ She went

**45** After finishing the race, John collapsed at the finish line. What does the pronoun 'he' refer to?

1 point

- (A) Collapsed
- (B) John
- (C) Race
- (D) Finish line

**46** Which sentence correctly uses the word 'stationary'?

1 point

- (A) The stationary bike was used for exercise.
- (B) He likes to write letters on beautiful stationary.
- (C) She bought new stationary for her office.
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**47** The team won the championship, and they celebrated all night. What does the pronoun 'they' refer to?

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- (A) Championship
- (B) Celebrated
- (C) Team
- (D) Won

**48** What is a clause?

1 point

- (A) A group of words with a subject and predicate
- (B) A group of words without a subject
- (C) A single word
- (D) A group of words without a verb

**49** Choose the sentence that correctly uses 'stationery'?

1 point

- (A) He remained stationery during the meeting.
- (B) The stationery bike was used for exercise.
- (C) The car was stationery throughout the storm.
- (D) She bought new stationery for her office.

**50** Which sentence uses correct punctuation?

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- (A) My favorite colors are blue green, and purple.
- (B) My favorite colors are blue, green and purple.
- (C) My favorite colors are blue, green, and purple.
- (D) My favorite colors are blue green and purple.

**51** Which colony was founded by the Calvert family as a haven for English Catholics?

1 point

- (A) Georgia
- (B) Virginia
- (C) Maryland
- (D) Pennsylvania

**52** Which amendment includes the Due Process Clause?

1 point

- (A) 13th Amendment
- (B) 14th Amendment
- (C) 20th Amendment
- (D) 15th Amendment

**53 Which Founding Father was the principal author of the Declaration of Independence?**

1 point

- A James Madison
- B Benjamin Franklin
- C John Adams
- D Thomas Jefferson

**54 Which amendment protects against self-incrimination and double jeopardy?**

1 point

- A Sixth Amendment
- B Eighth Amendment
- C Fifth Amendment
- D Seventh Amendment

**55 Which Founding Father is often referred to as the 'Father of the Constitution'?**

1 point

- A Thomas Paine
- B James Madison
- C Alexander Hamilton
- D John Jay

**56 Who led the rebellion in Virginia in 1676 against the colonial government?**

1 point

- A Thomas Hooker
- B Nathaniel Bacon
- C William Berkeley
- D John Smith

**57 Who was the primary author of the Bill of Rights?**

1 point

- A Thomas Jefferson
- B Alexander Hamilton
- C James Madison
- D John Adams

**58 Which amendment prohibits unreasonable searches and seizures?**

1 point

- A Third Amendment
- B First Amendment
- C Fourth Amendment
- D Second Amendment

**59 What was the primary reason for the establishment of the Plymouth Colony?**

1 point

- A Military strategy
- B Economic opportunities
- C Scientific research
- D Religious freedom

**60 What is the highest mountain peak in North America?**

1 point

- A Mount Everest
- B Mount Kilimanjaro
- C Mount Elbrus
- D Mount McKinley

**61 What is the term for the excessive use of groundwater leading to depletion?**

1 point

- A Desertification
- B Water logging
- C Aquifer exhaustion
- D Eutrophication

**62** What does the 'D' represent in the Köppen climate classification?

1 point

- (A) Continental
- (B) Temperate
- (C) Arid
- (D) Tropical

**63** Which continent is the smallest by land area?

1 point

- (A) Africa
- (B) Australia
- (C) South America
- (D) Europe

**64** What is the main environmental concern associated with the extraction of oil?

1 point

- (A) Improved soil fertility
- (B) Oil spills
- (C) Increase in local vegetation
- (D) Reduction in greenhouse gases

**65** Which of the following is a benefit of having industrial zones?

1 point

- (A) Enhanced tourism
- (B) Economic growth and job creation
- (C) Increased residential areas
- (D) Improved agricultural productivity

**66** Which desert is the largest hot desert in the world?

1 point

- (A) Arabian Desert
- (B) Sahara Desert
- (C) Gobi Desert
- (D) Kalahari Desert

**67** Which landform is characterized by a narrow, elongated strip of land surrounded by water on three sides?

1 point

- (A) Canyon
- (B) Delta
- (C) Peninsula
- (D) Island

**68** Which of the following is a type of fiscal policy?

1 point

- (A) Regulating currency exchange
- (B) Cutting taxes
- (C) Open market operations
- (D) Increasing interest rates

**69** Which of the following is NOT a stage in the buyer decision process?

1 point

- (A) Product development
- (B) Problem recognition
- (C) Evaluation of alternatives
- (D) Information search

**70** What is the purpose of an emergency fund?

1 point

- (A) To cover unexpected expenses
- (B) To invest in stocks
- (C) To buy luxury items
- (D) To pay off debt

**71** What is the primary goal of monetary policy?

1 point

- A To manage environmental policies
- B To increase government spending
- C To regulate trade agreements
- D To control inflation

**72** What does the Housing Starts indicator measure?

1 point

- A The total value of consumer goods sold
- B The number of new residential construction projects started
- C The unemployment rate
- D The rate of inflation

**73** What is the main purpose of insurance?

1 point

- A To invest in stocks
- B To protect against financial loss
- C To increase savings
- D To pay off debt

**74** Which country has the largest economy in the world by GDP?

1 point

- A Germany
- B United States
- C Japan
- D China

**75** Which economic indicator reflects the average change in selling prices received by domestic producers for their output?

1 point

- A Producer Price Index (PPI)
- B Gross Domestic Product (GDP)
- C Retail Sales
- D Consumer Price Index (CPI)

**76** Which amendment protects citizens from unreasonable searches and seizures?

1 point

- A Fourth Amendment
- B First Amendment
- C Second Amendment
- D Third Amendment

**77** Who nominates justices to the Supreme Court?

1 point

- A The President
- B The Senate
- C The House of Representatives
- D The Chief Justice

**78** Which amendment provides the right to keep and bear arms?

1 point

- A Second Amendment
- B First Amendment
- C Third Amendment
- D Fourth Amendment

**79** What is the primary characteristic of federalism?

1 point

- A Division of powers between national and state governments
- B Centralized governance
- C Direct democracy
- D One-party rule

**80 Which concept refers to the federal government providing funds to states with specific conditions attached?**

1 point

- A Block grants
- B General revenue sharing
- C Categorical grants
- D Unfunded mandates

**81 Which amendment protects against self-incrimination and double jeopardy?**

1 point

- A Sixth Amendment
- B Eighth Amendment
- C Seventh Amendment
- D Fifth Amendment

**82 Which amendment states that the enumeration of certain rights in the Constitution shall not be construed to deny or disparage others retained by the people?**

1 point

- A Tenth Amendment
- B Twelfth Amendment
- C Eleventh Amendment
- D Ninth Amendment

**83 Which amendment in the Bill of Rights guarantees the freedom of speech?**

1 point

- A Third Amendment
- B Fourth Amendment
- C Second Amendment
- D First Amendment

**84 Which of the following statements is true according to Newton's Third Law?**

1 point

- A Forces always act in isolation
- B For every action, there is an equal and opposite reaction
- C The acceleration of an object is proportional to the net force acting on it
- D An object will remain at rest unless acted upon

**85 What is the atomic number of an element defined by?**

1 point

- A Number of protons
- B Number of electrons
- C Atomic mass
- D Number of neutrons

**86 What state of matter is ice an example of?**

1 point

- A Solid
- B Plasma
- C Liquid
- D Gas

**87 Which element is used in the production of nuclear energy?**

1 point

- A Radium
- B Uranium
- C Plutonium
- D Thorium

**88 In a Carnot cycle, which two processes are isothermal?**

1 point

- A Expansion and Compression
- B Heating and Cooling

Ⓒ Expansion and Cooling

Ⓓ Compression and Heating

**89 What is the melting point of ice?**

1 point

Ⓐ 0°C

Ⓑ 50°C

Ⓒ 100°C

Ⓓ 150°C

**90 Which force is responsible for keeping planets in orbit around the sun?**

1 point

Ⓐ Gravitational force

Ⓑ Electromagnetic force

Ⓒ Nuclear force

Ⓓ Frictional force

**91 Which law states that energy cannot be created or destroyed, only transformed?**

1 point

Ⓐ Law of Conservation of Energy

Ⓑ Law of Conservation of Mass

Ⓒ Law of Universal Gravitation

Ⓓ Law of Thermodynamics

**92 Which element is liquid at room temperature?**

1 point

Ⓐ Gallium

Ⓑ Bromine

Ⓒ Cesium

Ⓓ Mercury

**93 What is the main purpose of bioremediation?**

1 point

Ⓐ Cleaning up environmental pollutants

Ⓑ Building robots

Ⓒ Exploring space

Ⓓ Creating video games

**94 What is CRISPR technology used for?**

1 point

Ⓐ Cooking

Ⓑ Space travel

Ⓒ Gene editing

Ⓓ Building construction

**95 What is the role of decomposers in an ecosystem?**

1 point

Ⓐ Produce energy

Ⓑ Consume primary producers

Ⓒ Transfer energy to tertiary consumers

Ⓓ Break down dead organisms

**96 Who used a microscope to first observe and describe microorganisms?**

1 point

Ⓐ Matthias Schleiden

Ⓑ Rudolf Virchow

Ⓒ Anton van Leeuwenhoek

Ⓓ Robert Hooke

**97 Which of the following is NOT a nitrogenous base found in DNA?**

1 point

Ⓐ Adenine

Ⓑ Thymine

Ⓒ Cytosine

Ⓓ Uracil

**98 Who proposed that all plants are composed of cells?**

1 point

- (A) Matthias Schleiden
- (B) Robert Hooke
- (C) Rudolf Virchow
- (D) Theodor Schwann

**99 Which scientist is known for improving the microscope and observing bacteria and sperm cells?**

1 point

- (A) Anton van Leeuwenhoek
- (B) Matthias Schleiden
- (C) Robert Hooke
- (D) Rudolf Virchow

**100 What is the main role of the Golgi apparatus in the cell?**

1 point

- (A) Protein modification and sorting
- (B) DNA synthesis
- (C) Energy production
- (D) Cell division

**101 Which of the following is an example of a biopharmaceutical product?**

1 point

- (A) Insulin
- (B) Penicillin
- (C) Aspirin
- (D) Ibuprofen

**102 What is the name of the process by which water vapor turns into liquid water?**

1 point

- (A) Precipitation
- (B) Transpiration
- (C) Condensation
- (D) Evaporation

**103 Which layer of the Earth is composed mostly of iron and nickel?**

1 point

- (A) Inner Core
- (B) Mantle
- (C) Crust
- (D) Outer Core

**104 Which type of plate boundary is associated with the San Andreas Fault?**

1 point

- (A) Divergent boundary
- (B) Transform boundary
- (C) Convergent boundary
- (D) Subduction zone

**105 Which country is the largest producer of crude oil?**

1 point

- (A) United States
- (B) China
- (C) Russia
- (D) Saudi Arabia

**106 Which natural resource is essential for photosynthesis?**

1 point

- (A) Sulfur
- (B) Water
- (C) Nitrogen
- (D) Helium

**107 Which renewable resource is harnessed using wind turbines?**

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1 point

- A Solar energy
- B Wind energy
- C Geothermal energy
- D Biomass energy

**108 Which of the following is an effect of light pollution?**

---

1 point

- A Disruption of ecosystems
- B Increased plant growth
- C Improved night vision
- D Enhanced star visibility

**109 What is the primary cause of ocean acidification?**

---

1 point

- A Oil spills
- B Plastic pollution
- C Overfishing
- D Carbon dioxide emissions

**110 What type of consumer is an animal that eats both plants and animals?**

---

1 point

- A Omnivore
- B Herbivore
- C Decomposer
- D Carnivore

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 B The stationery bike was used for exercise.  
 C The car was stationery throughout the storm.  
 D She bought new stationery for her office.

**50** Which sentence uses correct punctuation?

1 point

- A My favorite colors are blue green, and purple.  
 B My favorite colors are blue, green and purple.  
 C My favorite colors are blue, green, and purple.  
 D My favorite colors are blue green and purple.

**51** Which colony was founded by the Calvert family as a haven for English Catholics?

1 point

- A Georgia  B Virginia  
 C Maryland  D Pennsylvania

**52** Which amendment includes the Due Process Clause?

1 point

- A 13th Amendment  B 14th Amendment  
 C 20th Amendment  D 15th Amendment

**53 Which Founding Father was the principal author of the Declaration of Independence?**

1 point

- A James Madison  
 B Benjamin Franklin  
 C John Adams  
 D Thomas Jefferson

**54 Which amendment protects against self-incrimination and double jeopardy?**

1 point

- A Sixth Amendment  
 B Eighth Amendment  
 C Fifth Amendment  
 D Seventh Amendment

**55 Which Founding Father is often referred to as the 'Father of the Constitution'?**

1 point

- A Thomas Paine  
 B James Madison  
 C Alexander Hamilton  
 D John Jay

**56 Who led the rebellion in Virginia in 1676 against the colonial government?**

1 point

- A Thomas Hooker  
 B Nathaniel Bacon  
 C William Berkeley  
 D John Smith

**57 Who was the primary author of the Bill of Rights?**

1 point

- A Thomas Jefferson  
 B Alexander Hamilton  
 C James Madison  
 D John Adams

**58 Which amendment prohibits unreasonable searches and seizures?**

1 point

- A Third Amendment  
 B First Amendment  
 C Fourth Amendment  
 D Second Amendment

**59 What was the primary reason for the establishment of the Plymouth Colony?**

1 point

- A Military strategy  
 B Economic opportunities  
 C Scientific research  
 D Religious freedom

**60 What is the highest mountain peak in North America?**

1 point

- A Mount Everest  
 B Mount Kilimanjaro  
 C Mount Elbrus  
 D Mount McKinley

**61 What is the term for the excessive use of groundwater leading to depletion?**

1 point

- A Desertification  
 B Water logging  
 C Aquifer exhaustion  
 D Eutrophication

**62** What does the 'D' represent in the Köppen climate classification?

1 point

- A Continental  
 B Temperate  
 C Arid  
 D Tropical

**63** Which continent is the smallest by land area?

1 point

- A Africa  
 B Australia  
 C South America  
 D Europe

**64** What is the main environmental concern associated with the extraction of oil?

1 point

- A Improved soil fertility  
 B Oil spills  
 C Increase in local vegetation  
 D Reduction in greenhouse gases

**65** Which of the following is a benefit of having industrial zones?

1 point

- A Enhanced tourism  
 B Economic growth and job creation  
 C Increased residential areas  
 D Improved agricultural productivity

**66** Which desert is the largest hot desert in the world?

1 point

- A Arabian Desert  
 B Sahara Desert  
 C Gobi Desert  
 D Kalahari Desert

**67** Which landform is characterized by a narrow, elongated strip of land surrounded by water on three sides?

1 point

- A Canyon  
 B Delta  
 C Peninsula  
 D Island

**68** Which of the following is a type of fiscal policy?

1 point

- A Regulating currency exchange  
 B Cutting taxes  
 C Open market operations  
 D Increasing interest rates

**69** Which of the following is NOT a stage in the buyer decision process?

1 point

- A Product development  
 B Problem recognition  
 C Evaluation of alternatives  
 D Information search

**70** What is the purpose of an emergency fund?

1 point

- A To cover unexpected expenses  
 B To invest in stocks  
 C To buy luxury items  
 D To pay off debt

**71** What is the primary goal of monetary policy?

1 point

- A To manage environmental policies       B To increase government spending  
 C To regulate trade agreements       D To control inflation

**72** What does the Housing Starts indicator measure?

1 point

- A The total value of consumer goods sold  
 B The number of new residential construction projects started  
 C The unemployment rate  
 D The rate of inflation

**73** What is the main purpose of insurance?

1 point

- A To invest in stocks       B To protect against financial loss  
 C To increase savings       D To pay off debt

**74** Which country has the largest economy in the world by GDP?

1 point

- A Germany       B United States  
 C Japan       D China

**75** Which economic indicator reflects the average change in selling prices received by domestic producers for their output?

1 point

- A Producer Price Index (PPI)       B Gross Domestic Product (GDP)  
 C Retail Sales       D Consumer Price Index (CPI)

**76** Which amendment protects citizens from unreasonable searches and seizures?

1 point

- A Fourth Amendment       B First Amendment  
 C Second Amendment       D Third Amendment

**77** Who nominates justices to the Supreme Court?

1 point

- A The President       B The Senate  
 C The House of Representatives       D The Chief Justice

**78** Which amendment provides the right to keep and bear arms?

1 point

- A Second Amendment       B First Amendment  
 C Third Amendment       D Fourth Amendment

**79** What is the primary characteristic of federalism?

1 point

- A Division of powers between national and state governments  
 B Centralized governance  
 C Direct democracy

One-party rule

**80 Which concept refers to the federal government providing funds to states with specific conditions attached?**

1 point

- Block grants  
 Categorical grants  
 General revenue sharing  
 Unfunded mandates

**81 Which amendment protects against self-incrimination and double jeopardy?**

1 point

- Sixth Amendment  
 Seventh Amendment  
 Eighth Amendment  
 Fifth Amendment

**82 Which amendment states that the enumeration of certain rights in the Constitution shall not be construed to deny or disparage others retained by the people?**

1 point

- Tenth Amendment  
 Eleventh Amendment  
 Twelfth Amendment  
 Ninth Amendment

**83 Which amendment in the Bill of Rights guarantees the freedom of speech?**

1 point

- Third Amendment  
 Second Amendment  
 Fourth Amendment  
 First Amendment

**84 Which of the following statements is true according to Newton's Third Law?**

1 point

- Forces always act in isolation  
 For every action, there is an equal and opposite reaction  
 The acceleration of an object is proportional to the net force acting on it  
 An object will remain at rest unless acted upon

**85 What is the atomic number of an element defined by?**

1 point

- Number of protons  
 Atomic mass  
 Number of electrons  
 Number of neutrons

**86 What state of matter is ice an example of?**

1 point

- Solid  
 Liquid  
 Plasma  
 Gas

**87 Which element is used in the production of nuclear energy?**

1 point

- Radium  
 Plutonium  
 Uranium  
 Thorium

88 In a Carnot cycle, which two processes are isothermal?

1 point

- Expansion and Compression  
 Expansion and Cooling  
 Heating and Cooling  
 Compression and Heating

89 What is the melting point of ice?

1 point

- 0°C  
 100°C  
 50°C  
 150°C

90 Which force is responsible for keeping planets in orbit around the sun?

1 point

- Gravitational force  
 Nuclear force  
 Electromagnetic force  
 Frictional force

91 Which law states that energy cannot be created or destroyed, only transformed?

1 point

- Law of Conservation of Energy  
 Law of Universal Gravitation  
 Law of Conservation of Mass  
 Law of Thermodynamics

92 Which element is liquid at room temperature?

1 point

- Gallium  
 Cesium  
 Bromine  
 Mercury

93 What is the main purpose of bioremediation?

1 point

- Cleaning up environmental pollutants  
 Exploring space  
 Building robots  
 Creating video games

94 What is CRISPR technology used for?

1 point

- Cooking  
 Gene editing  
 Space travel  
 Building construction

95 What is the role of decomposers in an ecosystem?

1 point

- Produce energy  
 Consume primary producers  
 Transfer energy to tertiary consumers  
 Break down dead organisms

96 Who used a microscope to first observe and describe microorganisms?

1 point

- Matthias Schleiden  
 Anton van Leeuwenhoek  
 Rudolf Virchow  
 Robert Hooke

97 Which of the following is NOT a nitrogenous base found in DNA?

1 point

- A Adenine  B Thymine  
 C Cytosine  D Uracil

98 Who proposed that all plants are composed of cells?

1 point

- A Matthias Schleiden  B Robert Hooke  
 C Rudolf Virchow  D Theodor Schwann

99 Which scientist is known for improving the microscope and observing bacteria and sperm cells?

1 point

- A Anton van Leeuwenhoek  B Matthias Schleiden  
 C Robert Hooke  D Rudolf Virchow

100 What is the main role of the Golgi apparatus in the cell?

1 point

- A Protein modification and sorting  B DNA synthesis  
 C Energy production  D Cell division

101 Which of the following is an example of a biopharmaceutical product?

1 point

- A Insulin  B Penicillin  
 C Aspirin  D Ibuprofen

102 What is the name of the process by which water vapor turns into liquid water?

1 point

- A Precipitation  B Transpiration  
 C Condensation  D Evaporation

103 Which layer of the Earth is composed mostly of iron and nickel?

1 point

- A Inner Core  B Mantle  
 C Crust  D Outer Core

104 Which type of plate boundary is associated with the San Andreas Fault?

1 point

- A Divergent boundary  B Transform boundary  
 C Convergent boundary  D Subduction zone

105 Which country is the largest producer of crude oil?

1 point

- A United States  B China  
 C Russia  D Saudi Arabia

**106** Which natural resource is essential for photosynthesis?

1 point

- A Sulfur  B Water  
 C Nitrogen  D Helium

**107** Which renewable resource is harnessed using wind turbines?

1 point

- A Solar energy  B Wind energy  
 C Geothermal energy  D Biomass energy

**108** Which of the following is an effect of light pollution?

1 point

- A Disruption of ecosystems  B Increased plant growth  
 C Improved night vision  D Enhanced star visibility

**109** What is the primary cause of ocean acidification?

1 point

- A Oil spills  B Plastic pollution  
 C Overfishing  D Carbon dioxide emissions

**110** What type of consumer is an animal that eats both plants and animals?

1 point

- A Omnivore  B Herbivore  
 C Decomposer  D Carnivore