



GRADWRITE

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PACK 9

6-Part Blitz

1. Due to the "chemicals in the water," what animals are "being turned gay," according to Alex Jones?

A: **frogs**

2. What is the currency of Nigeria?

A: **naira** ["NAI-rah"]

3. What river of wailing encircling the underworld in Greek mythology also names the 9th circle of Hell in Dante's *Inferno*?

A: **Cocytus**

4. Which element is most abundant by weight in the human body, and second most abundant in Earth's atmosphere?

A: **oxygen** (accept: **O**)

5. In 802, Charlemagne was gifted a water clock and an elephant by which Abbasid caliph?

A: **Harun** al-Rashid

6. North Bay is the largest city on what northern Ontario lake?

A: Lake **Nipissing**

Set of 4: Celtics ["KELL-ticks"]

7. In the *Mabinogion* ["mab-ee-NOG-yon"], what Celtic ["KELL-tick"] god is accused of infanticide after her son Pryderi is kidnapped?

A: **Rhiannon**

8. What star center led the Boston Celtics ["SELL-ticks"] to the longest championship streak and tied the longest finals streak in any of the Big Four North American sports leagues?

A: Bill **Russell**

9. What two-word term describes the period near the turn of the 21st century where Ireland's GDP soared, eventually surpassing that of the United Kingdom?

A: **Celtic** ["KELL-tick"] **tiger**

10. The four Gospels are illustrated with humans, animals, Celtic ["KELL-tick"] knots, and other designs in what illuminated manuscript housed in Dublin's Trinity College?

A: Book of **Kells**

Pyramid

11.

Part 1: What method of preparation is used to make Indonesian kue lapis, a colourful layered snack?

Part 2: Spotted dick, a pudding made with dried fruit, is traditionally made using this method of preparation, along with a popular variety of chocolate pudding in Commonwealth countries.

Part 3: Spiced meat is packed in masa, wrapped in a corn husk, and prepared using

this method when making the Northern style of tamales.

Part 4: Shumai, rice noodle rolls, and crystal shrimp dumplings are served in stacked bamboo devices named after this cooking method in dim sum.

A: **steaming** (accept: cooked using **steam**, word forms)

Set of 3: The Ottoman Empire

14. Following a 1913 coup, three men of what name made up the Young Turk triumvirate responsible for the Armenian genocide and that led the empire during World War I?

A: **Pasha**

15. Recruited using the devshirme system, what elite units of the empire were Christian children raised as soldiers?

A: **janissaries**

16. In what province of the Ottoman Empire did a revolt cause the Oriental Crisis, wherein Russia, Prussia, and the United Kingdom intervened on the side of the Ottomans?

A: **Egypt**

Double Jump

17. What physicist names an equation establishing a directly proportional relationship between the magnitudes of two masses and the force attracting them, his namesake "law of universal gravitation"?

A: Isaac **Newton**

18. What physicist first reported in 1798 a measurement of the gravitational constant in Newton's law, using a torsion pendulum's attraction to two large masses?

A: Henry **Cavendish**

Double Jump

19. What Beat author, who famously shot his wife while drunk at a party, wrote *Naked Lunch*?

A: William S. **Burroughs**

20. Burroughs used what fictional opioid addict as a self-insert protagonist in books like *Queer* and *Naked Lunch*?

A: William **Lee** (prompt: William)

5-Part Mystery Link

21. After a car accident ends his career as a surgeon, which Marvel superhero goes on to defeat Dormammu and become the Master of the New York Sanctum?

A: Dr. Stephen **Strange**

22. What eponymous genetic disorder is caused by a partial or complete duplication of the smallest human chromosome, and is also known as trisomy 21?

A: **Down** syndrome (accept: **Down's** syndrome)

23. What 2024 album, featuring tracks like "Add Up My Love" and "Sexy to Someone", is the most recent studio album by Clairo?

A: **Charm**

24. Which character in *A Midsummer Night's Dream* gets his head turned into that of a donkey by Puck?

A: Nick **Bottom** (accept: **Nick**; but reveal: **Bottom**)

25. Michael Giacchino ["jee-ah-KEY-no"] composed the Oscar-winning score for what Pixar film?

A: **Up**

All answers are flavours of quarks.

END OF FIRST QUARTER

SECOND QUARTER

Splits: Death in Pop Culture & Death in Ancient Egypt

Death in Pop Culture

26. Aubrey Plaza plays what Green Witch, revealed to be Death, in Marvel Studios' *Agatha All Along*?

A: **Rio Vidal** (accept either underlined part)

27. In what 2022 film is the title character pursued by Death in the form of a wolf, having lost eight of his nine lives?

A: **Puss in Boots: The Last Wish** (prompt partial answers)

28. What game recently released the *Life & Death* DLC, which allows players to undergo a Soul's Journey, work at the Netherworld Department of Death, and WooHoo with the Grim Reaper?

A: *The **Sims 4*** (reject: *The Sims*)

29. Death narrates what novel, which follows Liesel Meminger in Nazi Germany and was written by Markus Zusak?

A: *The **Book Thief***

Death in Ancient Egypt

30. In what specific type of container were the lungs, intestines, stomach, and liver placed during the mummification process?

A: **canopic jar** (accept: **canope**)

31. What aspect of the soul, represented as a man-headed bird, was believed to leave the body upon death and possibly reunite with the ka in the afterlife to form the akh?

A: **ba**

32. The Greek for "flesh-eating" provides the name for what containers used by the Egyptians to hold the bodies of pharaohs?

A: **sarcophagus** (accept: **sarcophagi**)

33. To what chimera are souls that are measured to weigh more than Ma'at fed by Anubis?

A: **Ammit**

Set of 3: Spanish Geography

34. What two Spanish words meaning "snowy mountains" name a range in Southern Spain as well as the range home to Mount Whitney in California?

A: **Sierra Nevada**

35. What geographical features consist of flat topped hills surrounded by steep escarpments, and have a name translating to English as "table"?

A: **mesas**

36. Although it can be used to mean a dry lakebed, what Spanish term more commonly refers to the beach?

A: **Playa**

Set of 4: Female Scientists

37. What mathematician of the West Area Computing Unit confirmed Alan Shepherd's launch and landing trajectory analysis for NASA?

A: Katherine **Johnson** (accept: Katherine **Goble**)

38. Who is widely credited with editing the standard version of Ptolemy's *Almagest*, and was a pioneer in Neoplatonism until her death in 415 AD?

A: **Hypatia**

39. Eunice Newton Foote discovered what process, in which gases in Earth's atmosphere trap heat radiated by the Earth and reflect some of it back down?

A: **greenhouse** effect

40. What physicist, who helped develop the process of separating uranium into its isotopes for the Manhattan Project, also conducted a namesake experiment proving that parity is not conserved?

A: Chien-Shuing **Wu**

Double Jump

41. A businessman, a geographer, a drunkard, a snake, a fox, an aviator, and a rose are among the characters encountered by the title asteroid-dweller in what novella by Antoine de Saint-Exupéry?

A: Le **Petit Prince** (accept: *The **Little Prince***)

42. In the story, an astronomer from what nation is the only person on Earth to have seen the Little Prince's asteroid?

A: **Türkiye** (accept: **Turkey**, La **Turquie**)

Double Jump

43. What variable is plotted on the y-axis of a binary phase diagram alongside composition percent on the x-axis?

A: **temperature**

44. The transition of austenite into ferrite and cementite as it cools is known by what term in materials science, which more generally refers to when one solid transitions into two different solids?

A: **eutectoid** reaction (reject: eutectic reaction)

6-Part Linked Set

45. What colour of turban does the subject of the Johannes Vermeer painting *Girl with a Pearl Earring* wear?

A: **blue**

46. Which of Donald Ducks' nephews is depicted wearing blue to differentiate from his brothers Hewey and Louie?

A: **Dewey**

47. What type of institution uses a classification system developed by Melvil Dewey?

A: **library**

48. Two sculptures of what animal are found at the entrance of the New York Public Library's Beaux-Arts building?

A: **lion**

49. What city is home to the team quarterbacked by Jared Goff and coached by Dan Campbell, the Lions?

A: **Detroit**

50. What term is used to describe technology like the deviant Kara and Connor, manufactured by CyberLife in *Detroit: Become Human*?

A: **android** (prompt: robot)

END OF FIRST HALF

THIRD QUARTER

Splits: Bones in Paintings & Marsupials

Bones in Paintings

51. The *Pelvis* series was created by what American artist, who also frequently painted ram and cow skulls?

A: Georgia **O'Keeffe**

52. What artist is depicted oblivious to the violin-playing skeleton behind him in his *Self Portrait with Death Playing the Fiddle*?

A: Arnold **Böcklin**

53. A refractive glass tube or oblique viewing angle can make a skull look proportional in what painting by Hans Holbein the Younger?

A: *The* **Ambassadors**

54. What painting depicts its title architectural feature in place of the spine of its artist, Frida Kahlo?

A: *The* **Broken Column**

Marsupials

55. With an Algonquian name meaning "white animal," what marsupial order is the only one that can be found in North America?

A: **opossum** (accept: **possum**)

56. What word is used to refer to infant marsupials?

A: **joey**

57. Populations of what marsupial have decreased by up to 90% after a namesake facial tumour disease outbreak emerged?

A: **Tasmanian devil**

58. Marsupials confusingly do possess what organ which names the classification containing all extant members of clade Eutheria, despite that classification containing all living mammals except marsupials and monotremes?

A: **placenta**

Set of 4: Ballroom Dance

59. What ballroom part typically starts with their left foot in a tango?

A: **leader**

60. What dancer has been described as "doing everything he does, but backwards and in high heels" in reference to her role as follow to Fred Astaire?

A: Ginger **Rogers**

61. What ballroom dance consists of performing closed figures to pieces like "The Blue Danube" and other music in 3/4 time?

A: **waltz**

62. Under what category of dance does the International School classify the International Jive, International Paso Doble, and International Cha Cha?

A: **Latin**

Jailbreak

63. What reproductive policy implemented from 1979 to 2015 is one of the factors responsible for China's imbalanced sex ratio?

A: **one-child** policy

64. What company hired Gwyneth Paltrow as a temporary spokesperson following a viral video revealing an affair between its former human resources officer Kristin Cabot and former CEO Andy Byron?

A: **Astronomer**

65. What athlete led the 2024 American Women's Olympics Gymnastics team nicknamed "The Golden Girls" to three gold medals, and is considered the most decorated gymnast of all time?

A: Simone **Biles**

66. The Sault Ste. Marie OHL team and a major North American bus company are both named after what breed of dog?

A: **greyhound**

67. What Christian prayer originates from the Sermon on the Plain in the Gospel of Luke, and the Sermon on the Mount in the Gospel of Matthew, where Jesus taught it to his followers?

A: **Our Father** (accept: **Lord's Prayer**, **Pater Noster**)

68. What do the two letters "aq" signify when placed as a subscript next to chemical compounds?

A: **aqueous** solution

69. The word "croatoan" was left behind by the residents of what American colony, whose disappearance within five years led it to be known as the Lost Colony?

A: **Roanoke**

70. John B. Watson performed what unethical experiment to study classical conditioning, by attempting to condition its namesake baby to fear furry objects?

A: **Little Albert** experiment

71. Marilyn vos Savant published a correct solution to what statistical problem, in which choosing to switch doors gives a contestant a 2/3 probability of winning a car instead of a goat?

A: **Monty Hall** problem

72. Who was the most recent player to be added to the Toronto Blue Jays 'Level of Excellence' at the Rogers Centre?

A: José **Bautista**

73. What Canadian author chronicled Hagar Currie Shipley's life in the fictional town of Manawaka in *The Stone Angel*?

A: Margaret **Laurence**

74. What dukedom, currently held by Prince Edward, was previously held by his father, Prince Philip?

A: Duke of **Edinburgh**

75. What is the largest land biome in the world, covering most of northern Eurasia, Alaska, and Canada?

A: **taiga** (accept: **boreal forest**, **snow forest**)

END OF THIRD QUARTER

FOURTH QUARTER

Pyramid

76.

Part 1: What country's Hyrcanian mixed forests form a narrow belt across its northern Alborz mountain range?

Part 2: Some of the hottest surface temperatures ever recorded on Earth were in this country's Lut desert, within the provinces of Kerman and Sistan-Baluchestan.

Part 3: This country's central plateau is bounded by the Zagros, Kopet Dag, and Lesser Caucasus ranges.

Part 4: The Caspian Sea is to the north and the Persian gulf to the south of this country, which has its capital at Tehran.

A: **Iran**

Set of 3: Zelda

79. Aunts Hilda and Zelda appear in comics about what "teenage witch?"

A: **Sabrina Spellman** (accept either bolded part, accept: **Sabrina** the Teenage Witch)

80. One iteration of the Sierpinski triangle provides the design of what symbol ubiquitous in the *The Legend of Zelda* video games?

A: **Triforce**

81. What novel, which details the efforts of Alabama Beggs to become a prima ballerina, is the only published novel by Zelda Fitzgerald?

A: **Save Me The Waltz**

Set of 4: Economic Preference

82. The Von Neumann-Morgenstern theorem gives conditions under which an agent's choices can be seen as maximizing the expected value of what kind of function, which measures the agent's degree of satisfaction?

A: expected **utility** function

83. What quantity is equal to the slope of an agent's indifference curve?

A: **marginal rate of substitution** (accept: **MRS**)

84. One common simplifying assumption in economics is that preferences have what property, which guarantees that a consumer will find the average of two bundles of goods at least as good as the bundles themselves?

A: **convexity**

85. What two-word term refers to the additional amount of money required to return to the initial utility following a change in price, and is often initialized as "CV"?

A: **compensating variation**

15-Part Blitz

86. What substance names a proverbial "tower" in which a person might shut themselves off from worldly concerns?

A: **ivory**

87. To what movie's soundtrack did Tessa Virtue and Scott Moir set their free dance for the 2018 Winter Olympics?

A: **Moulin Rouge!**

88. Which company purchased and merged with Kansas City Southern in 2021 to form the only rail company to span Canada, the United States, and Mexico?

A: **Canadian Pacific** Railway (accept: **CP** Railway)

89. What word refers to the fear of palindromes, and is itself a palindrome?

A: **aibohphobia**

90. What tennis player became the first Canadian to win a major at the 2019 US Open?

A: Bianca **Andreescu**

91. What film distribution company is known for releasing indie films that later went on to become Best Picture winners, including *Moonlight* and *Everything Everywhere All at Once*?

A: **A24** Films

92. Who disastrously led much of the male population of Paraguay to death and displacement in the War of the Triple Alliance?

A: Francisco Solano **López**

93. What word names a data type used in C languages to represent 32 bit decimal numbers?

A: **float**

94. Ghats in Varanasi have been criticized for contaminating what river with human ashes?

A: **Ganges** River

95. Wedge Island sits across from what much bigger sister island, the main setting of *Wii Sports Resort*?

A: **Wuhu** Island

96. Which symbol entered common usage after the letters "e" and "t" were gradually joined together by Latin scribes?

A: **ampersand**

97. Which Hindu-majority island in the Lesser Sunda Islands is a major tourist destination in Indonesia?

A: **Bali**

98. The 1976 video game Blockade originated what genre, in which the player is a growing line that must avoid its tail?

A: **snake**

99. What leftist militant organization led by the pseudonymous Subcomandante Marcos is one of the primary belligerents in the Chiapas conflict?

A: **Zapatistas** (accept: **EZLN**)

100. What two shapes name a problem that was proven impossible to solve due to the transcendence of pi?

A: **square** AND **circle**

END OF GAME