



GRADWRITE '24

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PACK 8

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5-Part Blitz

1. What Disney Junior series follows the friendship between the evil sorcerer Cedric and the title young princess?

A: ***Sofia the First***

2. On an island in what Mexican lake was the Aztec city of Tenochtitlan ["tuh-NOECH-teet-LAHN"] built?

A: Lake ***Texcoco***

3. How many valence electrons does a single atom of flerovium, tin, or silicon have?

A: **4**

4. In 2017, "Weird Al" Yankovic released a polka medley of songs from from what musical, including "Right Hand Man" and "The Room Where It Happens"?

A ***Hamilton***

5. The name of what concept follows the words "who's afraid of" in the title of a 2024 Judith Butler work, a concept Butler earlier argued is performative?

A: ***gender***

Set of 4: Television Shows of 2024

6. Richard Gadd created and starred in what autobiographical series in which Donny Dunn is stalked by the serial stalker Martha?

A: ***Baby Reindeer***

7. The comedy *Tires* stars what comedian who was fired from *Saturday Night Live* for his Republican beliefs?

A: Shane ***Gillis***

8. Ncuti ["n-SHOOT-ee"] Gatwa portrays the 2024 iteration of what sci-fi character?

A: The ***Doctor***

9. Maximus, Lucy, and Cooper Howard are the main characters in the TV adaptation of what post-apocalyptic survival series?

A: ***Fallout***

Jackpot

10. Part 1: A character with what name uses Phyllis' typewriter to write, "Squirtel. I am. [This name]. Born anew", and is named after a vacuum cleaner?

Part 2: In the Divine Comedy, Dante encounters a man with this name who is bound in a flame to Diomed ["DEE-owe-med"]. In one poem, a character with this name vows "To strive, to seek, to find, and not to yield".

Part 3: This name titles a novel that ends with the declaration "yes I said yes I will yes" and revolves around Molly Bloom.

Part 4: This Latin name for Odysseus titles a poem by Lord Tennyson and the most famous novel by James Joyce.

A: **Ulysses** ["yoo-LISS-eez"]

Set of 3: Sleep

11. Produced in the pineal gland, what hormone is responsible for regulating the sleep-wake cycle?

A: **melatonin**

12. In which stage of sleep do most dreams occur?

A: **REMS** (accept: **rapid eye movement** sleep)

13. "Old Hag" is one of the namesake demons associated with what sleep disorder?

A: **sleep paralysis**

Double Jump

14. In Western music theory, what scale is equivalent to the Aeolian ["ee-OWE-lee-an"] mode of its relative major scale?

A: relative natural **minor** scale (accept: relative **minor** scale)

15. What musical mode begins on the dominant note of the major scale?

A: **Mixolydian** ["MIX-owe-LID-ee-an"] mode

Double Jump

16. What country is the largest by population in the Lusophone world with over 200 million native Portuguese speakers?

A: Federative Republic of **Brazil**

17. Brazil is also home to what language, which became famous after Daniel Everett suggested that its lack of recursion contradicted Noam Chomsky's theory of universal grammar?

A: **Pirahã** ["pee-rah-HAH"] (accept: Mura-**Pirahã**, **Pirahã**, **Xapaitíiso** ["ah-pai-TCHEE-soh"]) (prompt on: **Mura**)

5-Part Mystery Link

18. What colour of card in soccer issues a warning before a red card is given?
A: **yellow** card
19. What AI chatbot was shut down by Discord in 2023, and was named after its logo?
A: **Clyde**
20. What prime minister was the first Liberal prime minister of Canada?
A: Alexander **Mackenzie**
21. What state changed its flag in 2022, as it was the last to feature the Confederate flag?
A: **Mississippi**
22. The Doppler building is the headquarters of what Seattle-based company that produces the Echo line of smart speakers?
A: **Amazon**.com Inc.
- Link: All answers are rivers.

END OF FIRST QUARTER

SECOND QUARTER

Splits: Surrealist Art & Biology of Vision

Surrealist Art

23. A plaster sculpture of what animal is featured as the receiver of a telephone in a sculpture by Salvador Dalí?
A: **lobster**
24. Despite rejecting the label, what painter of The Broken Column featured surrealist elements in her self-portraits, along with Mexican iconography and her prominent unibrow?
A: Frida **Kahlo** (accept: Magdalena Carmen Frida **Kahlo** y Calderón)
25. René Magritte's ["mah-GREET"] *The Listening Room* features a gigantic one of what object, which also covers a man's face in *The Son of Man*?
A: **apple**
26. Richard Huelsenbeck ["OOL-sen-beck"] founded which anti-art movement, out of which Surrealism emerged and to which it is often compared?
A: **Dadaism**

Biology of Vision

27. What lobe of the brain contains the majority of the visual cortex?
A: **occipital** ["ox-IP-it-al"] lobe
28. Concentrated in the outer region of the retina, what type of photoreceptor cells mediate vision in dimly-lit settings, in contrast to cones?
A: **rod** cells
29. Increased ocular pressure can lead to what family of optic nerve diseases, often characterized by opaque flecks in the eye?
A: **glaucoma**

30. Bumps on what transparent part of the eye can cause astigmatism, which can then be corrected in LASIK surgery?

A: **cornea**

Set of 3: Sports Retirements

31. What co-host of the New Heights podcast retired after playing 13 seasons as center for the Philadelphia Eagles?

A: **Jason Kelce** ["KEL-see"] (prompt on: Kelce)

32. Now GM of St. Bonaventure, what NBA insider retired in a shock Twitter post?

A: Adrian **Wojnarowski** ["warj-NOW-skee"] (accept: **Woj**)

33. Which centre-back retired after a knee injury less than an hour into his Como career, after he had won 4 Champions League titles in a row with Real Madrid?

A: Raphaël **Varane**

Set of 4: False Rhymes

Given the description of 2 words that appear to rhyme but don't, provide both of the described words. For example, given "to close a door, and to place something somewhere", the answer is "shut" and "put".

34. The name of the boy who discovers a giant peach in a Roald Dahl book, and the river that runs through London.

A: **James** AND **Thames**

35. The watertight body of a ship, and the animal a matador would fight in performances.

A: **hull** AND **bull**

36. The surnames of the poets who respectively wrote "Ode on a Grecian Urn" and "Sailing to Byzantium."

A: **Keats** AND **Yeats** ["YATES"]

37. A type of dance performed and taught by Misty Copeland, and a compartment where you might store money.

A: **ballet** AND **wallet**

Double Jump

38. Who was the first Black American author to win the Nobel Prize in Literature, which she won for her novel *Beloved*?

A: Toni **Morrison**

39. In what Toni Morrison book's ending does Milkman Dead III leap towards Guitar, representing his "flight"?

A: **Song of Solomon**

Double Jump

40. What city is known as "NOLA" or "The Big Easy" a nickname believe to originate from its jazz scene?

A: **New Orleans**

41. What lake is crossed by a namesake causeway and flooded 80% of New Orleans due to the effects of Hurricane Katrina?

A: Lake **Pontchartrain**

Linked Set of 6

42. Methyltheobromine ["METH-ill-THEE-owe-BRO-meen"] and guaranine are alternative names for what chemical found in coffee?

A: **caffeine**

43. Panera Bread has faced numerous lawsuits about the caffeine content of their "supercharged" form of what beverage?

A: Supercharged **Lemonade** (accept: Charged **Lemonade**)

44. What animal features in a 2009 Internet video ordering grapes at a lemonade stand?

A: **duck**

45. What flower names a character, often wearing a pink bow and heels, who is Donald Duck's girlfriend?

A: **daisy**

46. What character in The Rise of Skywalker, played by Daisy Ridley, is revealed to be the granddaughter of Emperor Palpatine?

A: **Rey** Skywalker

47. While filming Ocean's Deadliest, what Australian conservationist died in 2006 from a stingray injury?

A: Steve **Irwin**

END OF FIRST HALF

THIRD QUARTER

Splits: The Roman Army & Mathematical Notation

The Roman Army

48. Made up of exclusively Roman citizens, what was the largest organizational unit of the Roman Army?

A: **legion**

49. The soldier with the rank of Aquifer had the job of carrying a standard shaped like what bird, which often represented Rome?

A: **eagle**

50. What officer rank had special positions like the Primus Pilus, and was named after the number of men they commanded, 80 soldiers and 20 non-combatants?

A: **centurion**

51. What Roman army unit, named after a political position, initially had the job of guarding generals but were later given the task of guarding the emperor?

A: **Praetorian** ["pra-TOR-ee-an"] **Guard**

Mathematical Notation

52. Set builder notation uses what type of brackets?

A: **curly** brackets (accept: **curly** braces)

53. Abbreviating the German word for 'numbers,' what letter written in blackboard boldface is used to refer to the set of all integers?

A: **Z**

54. What four-word mathematical phrase can be abbreviated as a double-headed arrow or by the three-letter word 'iff' ["I-F-F"]?

A: **if and only if**

55. John Wallis originally used the lemniscate to denote an arbitrarily large magnitude, but it is commonly used now to symbolize what concept?

A: **infinity** (accept word forms) (reject: **infinitesimal**)

Set of 4: US Licence Plates

56. The Old Man of the Mountain serves as the backdrop to what state's licence plate, which reads "Live Free or Die"?

A: **New Hampshire**

57. What colour is the background of Vermont's licence plate, a reference to its state nickname?

A: dark **green**

58. What state is described as "scenic" on a licence plate that also references its "famous potatoes"?

A: **Idaho**

59. What state's special licence plates include the Whitetails Unlimited, Ice Age Trail, and two designs for the Milwaukee Brewers?

A: **Wisconsin**

Jailbreak

60. Rounded to the nearest hundredth and in metres per second squared, what is the numerical value of the standard acceleration due to gravity on the surface of the Earth?

A: **9.81** metres per second squared (accept: **9.81** metres per second per second)

61. What instrument, whose rudiments include paradiddles and flams, is found in a widely-used title for the leader of a marching band?

A: **drum**

62. During which Korean dynasty was Hangul created by King Sejong?

A: **Joseon** Dynasty (accept: **Chosun** Dynasty)

63. What is the Polynesian name of Chile's Easter Island?

A: **Rapa Nui**

64. What religion venerates Rishabhanatha and Mahavira, respectively the first and last of the set of 24 dharma preachers known as the tirthankaras?

A: **Jainism**

65. With a win rate of 82.6%, which Formula One driver had the most dominant season to date in 2023?

A: **Max Verstappen** (prompt on: Verstappen)

66. What actor featured in the music video for Sabrina Carpenter's "Please, Please, Please," and also played Oliver in *Saltburn*?

A: Barry **Keoghan** ["KYOH-ghen"]

67. Port Louis is the capital city of what easternmost African country?

A: **Mauritius**

68. What caliphate founded the city of Baghdad and were the successors to the Umayyads?

A: **Abbasid** Caliphate

69. Isabella Merced and Cree star in what 2024 adaptation of a John Green novel about a teenager with OCD?

A: ***Turtles All The Way Down***

70. What name is given to the two lower chambers of the heart, located below the atria?

A: left and right **ventricles**

71. Which three-time Oscar-winning actress portrayed Aunt March in 2019's *Little Women* and Margaret Thatcher in *The Iron Lady*?

A: Meryl **Streep**

72. What Native American reservation observes Daylight Saving Time, despite being mostly located in Arizona?

A: **Navajo** [NAH-vah-HOE] Nation

END OF THIRD QUARTER

FOURTH QUARTER

Jackpot

73. Part 1: In what country was a two story villa code-named "Quartz" used as a CIA black site?

Part 2: This country began an investigation on August 5th, 2024 that resulted in the arrest of four officials, who allegedly planned on committing acts of terrorism through courier mail.

Part 3: This country's Law and Justice party, often abbreviated to PiS, has overseen the creation of "LGBT-free zones."

Part 4: Almost one million Ukrainian refugees currently reside in this country with its capital at Warsaw.

A: Republic of **Poland**

Set of 3: Hair

74. What name is given to the distinct V-shaped point on the hairline in the middle of the forehead?

A: **widow's peak**

75. About 95% of human hair is made up of what protein, which also makes up nails?

A: **keratin**

76. What demonym describes a hairstyle crossing two side strands of hair under the center strand, a type of braid sometimes called a reverse French braid?

A: **Dutch**

Streak

77. Name up to all Asian countries with English as an official language.

A: **India**

A: **Pakistan**

A: **Singapore**

A: **Philippines**

Streak

78. Fighting against their father during the Titanomachy, name up to all six Greek gods who are children of Cronos and Rhea.

A: **Zeus**

A: **Poseidon**

A: **Hades**

A: **Hestia**

A: **Demeter**

A: **Hera**

13-Part Blitz

79. What pop artist first developed his iconic simplified images of human figures in chalk drawings on the New York subway, which he later applied to AIDS activist artworks like *Silence = Death*?

A: Keith **Haring**

80. Until 1279, much of southern India was ruled by what Tamil Empire?

A: **Chola** Empire (accept: **Cola** Empire)

81. Wish, U, Dream, and 127 ["one two seven"] are all sub-units of what K-pop group with 25 members?

A: **NCT** (accept: **Neo Culture Technology**)

82. What is the least populous South American country?

A: **Suriname**

83. In July 2023, what country experienced a military coup that overthrew president Mohamed Bazoum?

A: **Niger**

84. Who wrote the line "A willow of crystal, a poplar of water" to open his circular poem "Sunstone"?

A: Octavio **Paz**

85. In what treaty were the Liaodong peninsula, Penghu Islands, and Taiwan ceded to Japan, ending the First Sino-Japanese War?

A: Treaty of **Shimonoseki**

86. Name any 2 of the 3 permanently inhabited United States territories found in the Pacific Ocean.

A: Commonwealth of the **Northern Mariana Islands** OR **Guam** OR **American Samoa** (accept any two)

87. Succeeded only by his son Fuad II, which monarch was removed by the Free Officers Movement from his position as the penultimate king of Egypt in 1952?

A: His Majesty **Farouk I**

88. Which law of thermodynamics says that if two systems are in thermal equilibrium with a third system, then they are in thermal equilibrium with each other?

A: **zeroth** law of thermodynamics

89. A drop of what British Vice-Admiral's blood is sung about in a sea shanty based on a myth of sailors drinking from his coffin as it was transported from Trafalgar Square?

A: Vice-Admiral Lord Horatio **Nelson**

90. Sam Denby, Ben Doyle and Adam Chase star in what travel-based competition show by Wendover Productions?

A: **Jet Lag: The Game**

91. Aneto is the highest peak of what mountain range, which is located on the border between France and Spain?

A: **Pyrenees** ["PEER-en-eez"]

END OF GAME