



GRADWRITE

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PACK 7

6-Part Blitz

1. What four-word Latin phrase, originating from Horace, is called "the old Lie" in an anti-war poem by Wilfred Owen?

A: "**dulce et decorum est**"

2. What treaty ended the War of 1812?

A: The Treaty of **Ghent**

3. What city has the longest metro system in the world by route length, with stations including Disney Resort, Jiao Tong University, and Pudong Airport Terminal?

A: **Shanghai**

4. What quantity did Robert Millikan determine to be 1.6×10^{-19} coulombs through his oil drop experiment?

A: **fundamental charge** (accept: **charge** of an **electron**, **elementary charge**, **e**)

5. What country did Russia invade in 2008 in support of separatist movements in its regions of South Ossetia and Abkhazia?

A: **Georgia**

6. What author, who is described in the title of a Haruki Murakami novel as being 'on the shore', wrote *The Trial* and *The Metamorphosis*?

A: Franz **Kafka**

Set of 4: Dating in Video Games

7. In what game does the Old Mariner appear on rainy days to sell the player a Mermaid Pendant, which they can then use to marry a villager in Pelican Town?

A: **Stardew Valley**

8. What Korean mobile game's gameplay consists of 11 real-life days of the player answering calls and texts from characters like Zen, 707, and Jumin Han?

A: **Mystic Messenger**

9. What mascot does the player attempt to romance in a 2019 parody game subtitled "A Finger Lickin' Good Dating Simulator"?

A: Colonel **Sanders** (accept: Harland **Sanders**)

10. In what dating simulator can players try to convince characters like werewolf Scott Howl to dance with them at the title event at Spooky High?

A: **Monster Prom**

Pyramid

11.

Part 1: J.J. Thomson shot rays of ions of what element through a crude version of a mass spectrometer to discover the first isotopes of a stable element?

Part 2: On the Allen scale, this element has the highest electronegativity, despite having no valuation on the Pauling scale.

Part 3: This element, with isotopes 20 and 22, is the first on the periodic table to have

a full octet occupying its valence shell.

Part 4: This noble gas glows orange-red when a current is run through it, a property used for its namesake lights.

A: neon (accept: Ne)

Set of 3: Bones in Paintings

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

A: Georgia O'Keeffe

15. A refractive glass tube or oblique viewing angle allows a skull to look proportional in what painting by Hans Holbein the Younger?

A: *The Ambassadors*

16. What artist depicted her own spine as the title "broken column" in a self-portrait housed at the Museo Dolores Olmedo in Mexico City?

A: Frida Kahlo

Double Jump

17. As computed by a young Gauss in a famous story, what is the sum of all the integers from 1 to 100 inclusive?

A: 5050

18. What is the sum of all the odd integers that lie between 1 and 99 inclusive?

A: 2500

Double Jump

19. Once quoted to have "seen ghosts", what quarterback led the Minnesota Vikings to a 14 win season in 2024 and is now with the Seattle Seahawks?

A: Sam Darnold

20. The Las Vegas Raiders traded a 3rd round pick for which previous Seahawks quarterback, reuniting him with coach Pete Carroll?

A: Geno Smith

5-Part Mystery Link

21. Cochineal extract is often used to make carmine, a pigment of what colour?

A: red

22. An upvote awards the comment's user with an increase of ten in what metric, which Stack Exchange sites use to measure trustworthiness?

A: reputation

23. What name is given to mathematical results which, although unpublished and with no clear original source, are nevertheless widely accepted as true?

A: mathematical folklore (accept: folk mathematics; but reveal: folklore)

24. In the 2017 live action remake, what song is performed by the Beast after he releases Belle from the castle so she may aid her father?

A: **"Evermore"**

25. In what year did Europe see a dramatic power shift, with events such as the Romanian Revolution, the Velvet Revolution, and the fall of the Berlin Wall all contributing to the end of the Cold War?

A: **1989**

All answers are Taylor Swift albums.

END OF FIRST QUARTER

SECOND QUARTER

Splits: Aerodynamics & Imperial Chinese Foreign Relations

Aerodynamics

26. What force opposes forward thrust in level flight of an airplane?

A: **drag**

27. What name is given to bodies exemplified by the wings and blades of a plane, optimized to generate significantly more lift than drag?

A: **airfoil** (accept: **aerofoil**)

28. Who names a ratio of an object's speed to the speed of sound?

A: Ernst **Mach**

29. What type of attitude is controlled by the ailerons and occurs along the longitudinal axis, as contrasted with pitch and yaw?

A: **rolling** attitude

Imperial Chinese Foreign Relations

30. The Qin ["chin"], wanting protection against the nomadic Xiongnu ["ZHONG-noo"] people, began constructing what series of fortifications, which spans more than 21,000 kilometres?

A: The **Great Wall** of China

31. During what dynasty did Zhang Qian establish diplomatic relations with the Greco-Bactrian Kingdom and the Parthian Empire to expand the Silk Road?

A: Western **Han** Dynasty

32. Who ordered two invasions of Japan as emperor of the Yuan dynasty, which he established after defeating his brother in a war for the title of Great Khan?

A: **Kublai Khan** (prompt on: **Khan**)

33. On what peninsula was the kingdom of Silla, with whom Tang China allied during their defeat of Silla's neighbour Baekje ["BAHK-jay"]?

A: **Korean** Peninsula

Set of 3: Ticks

34. What composer wrote the semi-autobiographical musical *tick, tick... BOOM!* prior

to his musical *Rent* being staged on Broadway?

A: Jonathan **Larson**

35. Bullseye shaped Erythema migrans rashes characterize what blood-borne disease transmitted by ticks?

A: **Lyme** disease

36. Who cited gender-based violence when suing producer Dr. Luke, with whom she co-wrote her debut solo single "TiK ToK"?

A: **Kesha** Rose **Sebert** (accept either bolded part)

Set of 4: Evil

37. The destructive spirit Angra Mainyu embodies the evil concept of druj in what religion based on the teachings of its namesake Iranian prophet?

A: **Zoroastrianism**

38. In what children's show does the "League Of Villainous Evildoers Maniacally United For Frightening Investments in Naughtiness" include such members as Dr. Diminutive, Rodney, and Dr. Doofenshmirtz?

A: **Phineas and Ferb**

39. Who argued that good and evil are mere emotional affections and evil does not exist to the comprehension of God in his *Ethics*?

A: Baruch **Spinoza**

40. Roxie Richter is the only ex-girlfriend of what manic pixie dream girl, whose seven evil exes Scott Pilgrim fights in order to win her hand?

A: **Ramona Flowers** (accept either underlined part)

Double Jump

41. What country's name and its word forms are the only English words to contain the consecutive letters FGH?

A: **Afghanistan**

42. What word and its plural are the only English words to contain the consecutive letters LMN?

A: **calmness**

Double Jump

43. What artist replicated the packaging of soap pads in his "Brillo Boxes" artwork, and also included 50 prints of Marilyn Monroe in his Marilyn Diptych?

A: Andy **Warhol**

44. At Warhol's insistence, what actor, who previously appeared in his film *Chelsea Girls*, sang lead on the Velvet Underground's debut album?

A: **Nico** (accept: Christa **Päffgen**)

6-Part Linked Set

45. What Canadian department store chain received approval to liquidate all but six of

its stores in March 2025?

A: The **Hudson's Bay** Company (accept: **HBC**; but reveal: Hudson's Bay) (prompt on: The Bay) (reject: The Hudson Bay Company)

46. What body of water is located as a southern inlet of Ontario's Hudson Bay?

A: **James Bay**

47. What is the title location of a 1961 Roald Dahl book, James's giant sized one of these objects?

A: giant **peach**

48. What toxic chemical compound is produced when the body breaks down the amygdalin inside of a peach pit?

A: **cyanide**

49. As a precaution, people in what profession hid pills inside their fake teeth that contained lethal amounts of cyanide to be used in the event of capture?

A: **spy** (accept: **spies**)

50. What board game is based on word clues and includes blue and red spy agents?

A: **Codenames**

END OF FIRST HALF

THIRD QUARTER

Splits: Jewish Theology & European Geological Formations

Jewish Theology

51. Concepts like Ein Sof and the Sephirot are central to what esoteric tradition of Jewish mysticism?

A: **Kabbalah**

52. Rabbinic literature distinguishes between the "Oral" and "Written" forms of what text, the sacred text of Judaism?

A: **Torah**

53. Which of the three major branches of Judaism believes that the Torah was literally revealed by God to Moses, unlike Reform or Conservative Judaism?

A: **Orthodox** Judaism

54. The Gemara ["guh-MA-ruh"] and the Mishnah comprise what Rabbinic text?

A: **Talmud**

European Geological Formations

55. Norway's Geiranger ["GIYE-ran-ger"] and Nærøy ["NAH-roy"] are two examples of what formations, deep U-shaped valleys that partly fill with water after the retreat of the glaciers that carved them?

A: **fjords**

56. Due to its chalk composition, what colour names the English cliff face along the Strait of Dover?

A: **white**

57. Named for a carbonate rock, what subrange of the Alps is located in the three most northeastern regions of Italy?

A: The **Dolomites** (accept: **Dolomite** Mountains, **Dolomitic** Alps, **Dolomite** Alps)

58. Fingal's Cave features columns of what material forming hexagonal shapes similar to the Giant's Causeway?

A: **basalt**

Set of 4: Also a Music Term

Given the definition of a music term and a non-music alternate definition, provide the word.

59. A line segment joining two points on the circumference of a circle, or a group of three or more notes played simultaneously.

A: **chord**

60. A segment of music bounded by vertical lines through the stave, or an establishment that serves alcoholic beverages.

A: **bar**

61. A temporary mental state of dissociative amnesia, or a polyphonic composition paired with preludes in *The Well-Tempered Clavier*.

A: **fugue**

62. An alloy of zinc and copper, or an instrument family that includes the trumpet.

A: **brass**

Jailbreak

63. Beach City is the primary setting of what Cartoon Network animated television show, in which Greg and the Crystal Gems raise the title protagonist?

A: **Steven Universe**

64. The densely populated island of Salsette is in what Indian city, the nation's financial center?

A: **Mumbai** (accept: **Bombay**)

65. Multiple members of the Buendia family are named José Arcadio or Aureliano in what novel centering around the town of Macondo by Gabriel Garcia Marquez?

A: **One Hundred Years of Solitude** (reject: A Hundred Years of Solitude)

66. Fata Morgana is one type of what optical phenomenon that result from air temperature gradients, and which might create the illusion of an oasis in the desert?

A: **mirage**

67. What store's double chunk chocolate cookie received a boom from AJ, Big Justice, and other members of its namesake "family" on TikTok?

A: **Costco** Wholesale Corporation

68. According to legend, what woman protested her husband's high taxes by riding through her town on horseback completely nude?

A: Lady **Godiva**

69. Often used to mean a low point in someone's life, what word is the opposite of "zenith"?

A: **nadir**

70. What K-pop group's second EP *Get Up* features songs like "ETA", "Cool With You", and "Super Shy"?

A: **NewJeans** (accept: **NJZ**)

71. Literally translating to "Old Godmother", what brand of Guizhou sauces is credited with popularizing Chinese chili oil in the West?

A: **Lao Gan Ma**

72. In what city could you find ossuaries known as its catacombs extending south from the Barrière d'Enfer?

A: **Paris**

73. Who was inspired by his free osteomyelitis surgeries at age 7 to introduce North America's first universal healthcare system while Premier of Saskatchewan?

A: Tommy **Douglas**

74. What thinker names a school of thought whose teachings, such as the cultivation of ren, are compiled in the *Analects*?

A: **Confucius** (accept: **Kongzi**, **Kong Fuzi**)

75. What word precedes "Regained" and "Lost" in the titles of works by John Milton?

A: **paradise**

END OF THIRD QUARTER

FOURTH QUARTER

Pyramid

76.

Part 1: Katie Zelem led a team from what city in the 2023–2024 Women's Super League season to a 4–0 victory in the FA Cup final?

Part 2: Ralf Rangnick served one year as the interim manager for another team in this city.

Part 3: In February 2023, another team in this city was charged with over 100 charges, most of which for failing to co-operate with financial investigations.

Part 4: Two Premier League teams based in this city have its name followed by "City" and "United", respectively.

A: **Manchester**

Set of 3: 80's Coming Of Age Movies

79. An iconic hallway chase occurs in the middle of what film following five high school students from different cliques bonding during detention?

A: *The **Breakfast Club***

80. Gordie Lechance attempts to find the body of his childhood best friend along with his friends in what film titled after a Ben E. King song?

A: ***Stand By Me***

81. Who plays Welton Academy alumnus and English teacher John Keating in Peter

Weir's *Dead Poets Society*?

A: Robin **Williams**

Set of 4: Canadian Road Signs

82. Similar to their license plates, what province or territory features a polar bear on their highway shield?

A: **Northwest Territories**

83. What sign, which tells merging drivers to wait and let other drivers proceed, is an inverted triangle with a red border?

A: **yield** sign

84. Ignoring accents, spell the word that appears instead of "stop" on road signs in Francophone regions of Quebec.

A: **A-R-R-E-T**

85. What colour are circles that indicate permitted behaviour on road signs, such as the colour of the circle surrounding a P on a parking allowed sign?

A: **green**

15-Part Blitz

86. What is the only organ that can be removed whole and donated from a living donor, since each donor has two of them?

A: **kidney**

87. What country has been accused of providing support to M23, a Tutsi rebel group that captured the city of Goma in the Democratic Republic of the Congo in 2025?

A: **Rwanda**

88. *Slouching Towards Bethlehem*, *The White Album*, and *The Year of Magical Thinking* are all works by what American journalist?

A: Joan **Didion**

89. What U.S. city's unincorporated region of Paradise contains its namesake "strip"?

A: **Las Vegas** (prompt: Vegas)

90. What inventor of A-0 ["A-zero"], the first compiler, popularised a story of removing a dead moth from her computer?

A: Grace **Hopper**

91. Open and closed shops are security agreements between employers and what type of organisation?

A: trade **unions**

92. In chemistry, what substance has both a K_a and K_b of around 10^{-14} to the power of negative 14?

A: **water**

93. What term, describing a clustered network of contiguously urbanized cities, titles a 2024 Francis Ford Coppola box office flop?

A: **megalopolis**

94. The Realm of the Four Parts, or Tawantinsuyu ["ta-WAHN-tin-soo-yoo"], was the endonym of what Andean civilization?

A: **Inca** Empire (accept: **Inca** civilization)

95. Emma Lazarus's poem "The New Colossus" is inscribed on the base of what sculpture located in New York Harbor?

A: **Statue of Liberty** (accept: **Liberty Enlightening the World**)

96. Cells of what classification allow for transcription and translation to happen simultaneously, thanks to their lack of a nuclear membrane, and include bacteria and archaea?

A: **prokaryote** (accept: **prokaryotic**)

97. A meridian 370 leagues west of Cape Verde was defined in what treaty signed between Portugal and Spain in 1494 to divide up ownership of the New World?

A: Treaty of **Tordesillas**

98. What play is reinterpreted through the perspectives of modern-day high school students in Kimberly Belflower's *John Proctor is the Villain*?

A: *The **Crucible***

99. The naira ["NAI-rah"] is the currency of what most populous African country?

A: **Nigeria**

100. A cover by Snowd4y ["SNOW-day"] and Drake parodies what song by asking its original dedicatee "wah gwan"?

A: **"Hey There Delilah"**

END OF GAME