



GRADWRITE '24

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PACK 3

Pack Editor:

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5-Part Blitz

1. Who counted the steps between the cities of Alexandria and Syene to make the first known calculation of the Earth's circumference?

A: **Eratosthenes**

2. Bob Woodward's books *Fear, Rage, and Peril* are all about which US president, who is himself credited as the author of *The Art of the Deal*?

A: Donald John **Trump**

3. Krypt jigsaw puzzles are produced by what puzzle company, named after the German town where it was founded?

A: **Ravensburger**

4. Name either of the researchers who were awarded the 2024 Nobel Prize in Physics for their groundbreaking research on artificial neural networks.

A: John Joseph **Hopfield** OR Geoffrey Everest **Hinton**

5. What composer wrote a suite of incidental music for *A Midsummer Night's Dream* in 1826, featuring his famous "Wedding March"?

A: Felix **Mendelssohn** (accept: Jakob Ludwig Felix **Mendelssohn** Bartholdy)

Set of 4: Word Pile

Starting with the word "yet", each new answer is an anagram of the previous answer, but with another letter added.

6. What construct in computer science has examples such as float, array, and boolean?

A: **type** (reject: types)

7. Also known as reverence in Christianity, which of the seven gifts of the Holy Spirit establishes respect for, and total reliance on, God?

A: **piety**

8. The lustre and golden hue of what mineral, composed of iron sulfide, gives rise to its nickname of fool's gold?

A: **pyrite**

9. What verb can refer to the way in which organic matter fossilizes, exemplified by the effect of Medusa's stare?

A: **petrify**

Jackpot

10. Part 1: One of what items named Aloysius ["al-oh-ISH-us"] plays a prominent role in Evelyn Waugh's *Brideshead Revisited*?

Part 2: The world's largest one of this item, measuring almost 20 metres tall, was displayed at a stadium in Xonacatlán ["zone-ah-cat-LAN"], Mexico in 2019 with a pink dress and tiara.

Part 3: In one process of making these general items, a heart ceremony is performed, which can include rubbing a satin heart on the creator and inserting it into this object.

Part 4: This common stuffed children's toy was popularized after an animal's life was spared by the 26th president of the United States, Theodore Roosevelt.

A: **teddy bear** (accept: **stuffed bear**) (prompt on: bear, Teddy, stuffed animal, plush bear, soft toy)

Set of 3: New Brunswick Geography

11. Miscou Island, Shippagan, and Lameque are a part of what peninsula, named for an ethnic group located there?

A: **Acadian** Peninsula

12. What city next to Moncton is named in commemoration of a World War II raid nicknamed Operation Jubilee?

A: **Dieppe**

13. New River Beach, St. Andrews, and Saint John all sit on what bay with the world's highest tides?

A: Bay of **Fundy**

Double Jump

14. "The Alchemy", "I Can Do It With A Broken Heart", and "Fortnight" are all songs off of what 2024 Taylor Swift album?

A: *The **Tortured Poets Department*** (accept: **TTPD**)

15. Florence & The Machine features on what track of The Tortured Poets Department, in which Florence references a hurricane that shares her name?

A: "**Florida!!!**" (prompt on: track eight, eighth track)

Double Jump

16. *The Gay Science*, a work by what philosopher, contains the first instance of his quote "God is dead"?

A: Friedrich **Nietzsche** ["neet-CHUH"]

17. In *The Birth of Tragedy*, Nietzsche describes rationality and order in a culture using what term, which forms a dichotomy with the Dionysian?

A: **Apollonian** (prompt on: Apollo)

5-Part Mystery Link

18. In C++ ["C plus plus"], what keyword precedes a list of class members to indicate they cannot be accessed from outside the class?

A: **private**

19. In music theory, what word prefixes intervals with separations of 2, 4, 9, and 11 semitones?

A: **major**

20. What title character of an 1865 poem is described as "fallen cold and dead" by Walt Whitman, representing the assassination of Abraham Lincoln?

A: my **Captain**

21. What OHL team has produced players such as John Tavares ["tuh-VAHR-ess"], Eric Lindros, and Bobby Orr from their home rink in Oshawa?

A: Oshawa **Generals**

22. Following a crash at the 2024 Dutch Grand Prix, what American F1 driver was dropped from Williams?

A: Logan **Sargeant**

Link: All answers are military ranks

END OF FIRST QUARTER

SECOND QUARTER

Splits: Rock Drummers & French Wars of Religion

Rock Drummers

23. Josh Freese and Taylor Hawkins both played drums for what band, founded by Nirvana drummer Dave Grohl?

A: **Foo Fighters**

24. Guitarist James Hetfield founded Metallica along with what drummer, known for unique drumming techniques?

A: Lars **Ulrich**

25. What band has had drummers such as Peter Criss and Eric Singer take on the persona of Catman?

A: **KISS**

26. The soundtrack for Disney's Tarzan was written by what former drummer for Genesis, who also achieved massive solo success with songs like "Sussudio" and "In the Air Tonight"?

A: Phil **Collins**

French Wars of Religion

27. In what century did the French Wars of Religion take place?

A: **16th** century (accept: **1500s**)

28. The "Eighth War of Religion" was a succession crisis between three kings of what name?

A: **Henry** (accept: **Henri**)

29. What 1572 event did Catherine De Medici order against the Huguenots, resulting in thousands of deaths?

A: **St. Bartholomew's Day Massacre** (accept: **Massacre of St. Bartholomew's Day**)

30. What man, who was fictionalized in The Three Musketeers, put down several Huguenot revolts in the 1620s?

A: Cardinal **Richelieu**

Set of 3: Animals in Myth

31. The messengers of Inari take the form of what kind of animal, often with nine tails?

A: **fox** (accept: **kitsune**)

32. What jackal-headed god weighed the hearts of people seeking entrance to the afterlife in Egyptian mythology?

A: **Anubis**

33. The Aztec god Huitzilopochtli ["WEET-see-luh-POECHT-lee"] took the form of what animal to guide the Mexica people to Tenochtitlan ["the-NOTCH-tee-TLAN"]?

A: **hummingbird**

Set of 4: Bad Science

34. What profession practices the pseudoscience developed by D.D. Palmer that comes from the Greek for "done by hand"?

A: **chiropractor** (accept: **chiropractic**)

35. Who authored a Lancet paper titled "Ileal-lymphoid-nodular hyperplasia, non-specific colitis, and pervasive developmental disorders in children", claiming a causal relationship between the MMR vaccine and autism?

A: Andrew **Wakefield**

36. High-powered flashlights on boats, ring-laser gyroscopes, and homemade rockets are all pieces of technology used to attempt to prove what theory regarding the shape of the Earth?

A: **Flat Earth** (accept: **earth is flat, flatness of the earth**)

37. In the 18th century, Franz Joseph Gall proposed what pseudoscience that determines character traits by measuring the shape of one's skull?

A: **phrenology** (accept: **craniology**)

Double Jump

38. What country is home to natural landmarks such as Thingvellir, Geysir, and the volcano Eyjafjallajökull ["ay-uh-FYAT-la-yo-kul"]?

A: **Iceland**

39. The Icelandic Route 1 is given what name as a reference to its shape as it connects most cities and towns in the country?

A: **Ring Road**

Double Jump

40. What mathematician gives his name to the real x-y coordinate plane?

A: René **Descartes**

41. What other coordinate system identifies points on the plane by their angle from the positive x-axis and their distance from the origin?

A: **polar** coordinates (accept: **polar** coordinate system)

Linked Set of 6

42. In the Marvel comics, what agency headed by Nick Fury was largely infiltrated during the Secret Invasion of Skrulls?

A: **S.H.I.E.L.D.** (accept: **Strategic Hazard Intervention Espionage Logistics Directorate**; but reveal: **S.H.I.E.L.D.**)

43. What country is home to one of the oldest sections of continental crust in the world in its namesake shield region?

A: **Canada**

44. Who is the chief justice of the supreme court of Canada?

A: Richard **Wagner**

45. What group of works, performed annually by the Bayreuth Festival, include The Rheingold, The Valkyrie, Siegfried, and Twilight of the Gods by Richard Wagner?

A: Wagner's **Ring Cycle** (accept: *The **Ring** of Nibelung, Der **Ring** des Nibelungen*)

46. How many carbon atoms can be found in a benzene ring?

A: **6**

47. Crowds chanted to hang what man due to his refusal to not certify the 2020 election results on January 6th, 2021?

A: Mike **Pence**

END OF FIRST HALF

THIRD QUARTER

Splits: Basketball Rule Violations & Electrical Circuits

Basketball Rule Violations

48. What specific violation can result from catching the ball after a dribble and then continuing to dribble?

A: **double dribble** (accept: **illegal dribble**)

49. Which NBA player holds the record for the greatest number of personal fouls as well as the greatest number of minutes played during his twenty season career?

A: Kareem **Abdul-Jabbar** (accept: Ferdinand Lewis **Alcindor** Jr.)

50. What name is given to a personal foul where the possession of the ball is indeterminable?

A: **loose-ball** foul

51. In the NBA, how many steps must a player take without dribbling to warrant a travelling violation?

A: **3**

Electrical Circuits

52. What basic circuit element stores energy in an electric field and in its simplest form consists of two metal plates on either side of an insulator?

A: **capacitor**

53. Who names a pair of laws relating the connecting currents at a node and the voltages around a closed path?

A: Gustav Robert **Kirchhoff**

54. Whose law states that voltage across a conductor is proportional to the current running through it, as represented in the equation $V = IR$?

A: Georg Simon **Ohm**

55. What is the name for an electrical path with no resistance?

A: **short** circuit

Set of 4: Russian Tsars

56. Preceding the Romanovs, what royal dynasty included Ivan the Terrible?

A: **Rurikid** dynasty (accept: **Riurikid** dynasty, **Rurikovic** Dynasty, **Riurikovic** Dynasty)

57. The replacement of the Byzantine calendar with the Julian calendar and the introduction of a beard tax were among the attempts to Westernize Russia made by what Russian tsar?

A: **Peter the Great** (accept: Tsar **Peter I**) (prompt on: Tsar **Peter**)

58. "The Young Tsar" is a short story by what Russian author, who also wrote *The Death of Ivan Ilyich* and *Anna Karenina*?

A: Leo **Tolstoy**

59. Joseph Stalin famously claimed that what tsar's army made it all the way to Paris in his defeat of Napoleon?

A: Tsar **Alexander I** (prompt on: Tsar **Alexander**)

Jailbreak

60. What mountain range serves as the boundary between North and South America, part of its namesake gap?
A: **Darién** Mountains (accept: Serranía del **Darién**)
61. What painting did the Dada piece L. H. O. O. Q. parody by including a mustache and goatee with pencil on its portraitee?
A: **Mona Lisa** (accept: *La **Gioconda***)
62. What is the most common inhibitory neurotransmitter in humans?
A: **GABA** (accept: **gamma-aminobutyric acid**)
63. In what gulf would you find São Tomé and Príncipe?
A: Gulf of **Guinea** (accept: **Bight of Biafra**)
64. "My dog has died" and "Tonight I can write the saddest lines" begin poems by what Chilean poet?
A: Pablo **Neruda**
65. Name either restaurant chain that Eddy Burbank and Ted Nivison visited every US location of in separate YouTube videos.
A: Jimmy Buffett's **Margaritaville** OR **Rainforest Cafe**
66. What 6-carbon compound initiates and alternatively names the Krebs Cycle, and is also found in oranges?
A: **citric acid**
67. What number must be rolled to move the robber in the game Catan?
A: **7**
68. What NASA astronaut, who performed the first all-female spacewalk with Jessica Meir, is planned to be the first woman to visit the moon?
A: Christina **Koch**
69. France united the kingdoms of Luang Phrabang, Champassak, and Vientiane in 1893 to form what modern country?
A: **Laos**
70. What person featured in the Book of Genesis was sold into slavery in Egypt by his brothers, where he would eventually become vizier ["viz-EER"] after interpreting the dreams of the Pharaoh?
A: **Joseph**
71. If I were born on December 17, which astrological sign would I be?
A: **Sagittarius**
72. What New York skyscraper stands just north of two square reflecting pools commemorating those who died on 9/11?
A: **One World Trade Center** (accept: **Freedom Tower**)

END OF THIRD QUARTER

FOURTH QUARTER

Jackpot

73. Part 1: Who was the first of two defendants in a series of court cases that re-legalized gay marriage in the state of California?

Part 2: In this person's first appearance in film, *Hercules in New York*, all of his lines were dubbed after production.

Part 3: This person was the youngest-ever winner of the Mr. Olympia competition, winning at the age of 23.

Part 4: This Austrian bodybuilder starred in such films as *Kindergarten Cop* and *The Terminator*.

A: Arnold **Schwarzenegger**

Set of 3: Pennsylvania Cities

74. What city could you visit on February 2nd to see Phil the groundhog?

A: **Punxsutawney** ["punk-suh-TAW-nee"]

75. What city would you travel to to chow down on some of its eponymous chocolate?

A: **Hershey**

76. Nicknamed the "Electric City", what city's branch of the Dunder Mifflin Paper Company is the setting for *The Office*?

A: **Scranton**

Streak

77. Name up to the 4 most common viral STDs, collectively known as the four Hs.

A: **HIV** (accept: **human immunodeficiency virus, HIV/AIDS**)

A: **HSV** (accept: **herpes simplex virus**)

A: **HPV** (accept: **human papillomavirus**)

A: **hepatitis B** (reject: **hepatitis A, hepatitis C, hepatitis D, hepatitis E**)

Streak

78. Name the 6 most popular languages for English speakers to learn on Duolingo.

A: **Spanish**

A: **French**

A: **Japanese**

A: **Korean**

A: **German**

A: **Italian**

13-Part Blitz

79. Renée Rapp's character wants to "watch the world burn" in what 2024 musical movie adaptation of a Tina Fey teen classic?

A: **Mean Girls**

80. *The Enchiridion* ["en-kai-RIH-dee-on"] of *Epictetus* ["uh-PICT-tuh-tus"] is a short manual of advice for what school of Hellenistic philosophy founded by Zeno of Citium ["KIT-ee-um"]?

A: **stoicism** (accept: **stoic** philosophy)

81. Popular in the Ashanti Empire, what vividly-coloured textile originates from the town of Bonwire in Ghana?

A: **kente** cloth

82. What English mathematician is best known for work on the analytical engine, and is credited with the first computer program, a method of calculating Bernoulli numbers?

A: Ada **Lovelace** (accept: Augusta Ada **King, Countess of Lovelace**)

83. What three word phrase subtitles an educational Youtube channel with videos like "What if You Detonated A Nuclear Bomb In The Marianas Trench?", founded by Philipp Dettmer under the name Kurzgesagt?

A: **In a Nutshell**

84. Secret Service agents have reportedly been bitten more than two dozen times between 2022 and 2023 by what dog of the Biden family?

A: **Commander** Biden

85. What is the endonym for the island of Borneo in Indonesia?

A: **Kalimantan**

86. Biff, Mick, Singer, Dr. Copeland, and Jake are the point of view characters in what novel by Carson McCullers?

A: *The **Heart is a Lonely Hunter***

87. Cellulose fluid is used in Sun Yuan and Peng Yu's kinetic sculpture "Can't Help Myself" to represent what other fluid being swept up by a moving robotic arm?

A: **blood**

88. Robert Frost's "Nothing Gold Can Stay" features prominently in what coming-of-age novel by S. E. Hinton?

A: *The **Outsiders***

89. Which Canadian Prime Minister's government collapsed after he refused to accept the deployment of American nuclear weapons in Canada?

A: John George **Diefenbaker**

90. In what 2024 film, the tenth installment in its franchise, does Kevin Durand twist the teachings of King Caesar for his own personal gain as Proximus Caesar?

A: **Kingdom of the Planet of the Apes**

91. What country owns the islands of Funen, Zealand, and Greenland?

A: **Denmark**

END OF GAME