



# GRADWRITE '24

## PACK 6

**Head Editor:**

Kunaal Chandrashekar

**Pack Editor:**

Eva Mandelbaum

**Contributors:**

Asha Basu

McKenna Gray

Eli Nason

Matthew Stasiw

Charlotte Bauer

Susanna Liao

Adrian O'Leary

Serena Suleman

Kunaal Chandrashekar

Eva Mandelbaum

Nathan O'Leary

Stefan Vlad

James Ferrabee

Simon Mezo

Anna Reso

Chloe Wei

## 5-Part Blitz

1. A triple helix structure is characteristic of what structural protein, the most abundant in the human body?

A: collagen

2. The Muisca "Golden Man" ceremony inspired stories of what lost city of gold?

A: El Dorado

3. What name is given to the smell of rain on soil?

A: petrichor

4. Which celebrity has hosted *Saturday Night Live* the most times, and is known for his Donald Trump impression?

A: Alec Baldwin

5. Who invented a machine to separate seeds from fibers, the cotton gin?

A: Eli Whitney

## Set of 4: Woodwind and Reed Instruments

6. Playing the solo opening melody to *The Rite of Spring*, what woodwind instrument with a wide range uses a double reed?

A: bassoon

7. Which type of flute, with an egg-shaped resonating body, has been popularized by its appearance in a namesake Legend of Zelda game?

A: ocarina

8. Which keyboard woodwind instrument is divided into 3 main sections with keys on one side, chord buttons on the other side, and bellows in the middle to allow air to pass by the reeds?

A: accordion

9. Bending is a technique used when playing what small free-reed instrument, also known as a mouth harp, that is commonly featured in blues music?

A: harmonica

## Pyramid – Who am I?

10. **Clue A:** After I flirted with one character, she quoted a Thomas Paine book to express her feminist beliefs. Who am I?

**Clue B:** One actor who portrayed me once spoke directly to Mike Pence after a performance. Who am I?

**Clue C:** In one song, I initiated an exchange of letters between myself and my rival in which I ask him to "be prepared to bleed, good man." Who am I?

**Clue D:** I'm the first character to speak in a popular musical and I killed the title character Alexander Hamilton. Who am I?

A: Aaron **Burr** Jr.

#### Set of 4: Greek Letters in Science

11. The unit symbol for ohms is represented by which Greek letter?

A: **omega**

12. What is the only Greek letter to represent an SI prefix?

A: **mu** [mew] (represents micro-)

13. Mass density is represented by what Greek letter?

A: **rho**

14. Which Greek letter is used to represent wavelength?

A: **lambda**

#### Double Jump

15. What word is shared by the titles of 11 Shakespeare plays, including ones named for John, Richard III, and Lear?

A: **king**

16. Which contemporary of Shakespeare wrote a play titled for King Edward II as well as the play *The Jew of Malta*?

A: Christopher **Marlowe**

#### Double Jump

17. What country disputes the Senkaku Islands with Taiwan and China, the Liancourt Rocks with North and South Korea, and the Kuril islands with Russia?

A: **Japan** (accept: **Nippon**, **Nihon**)

18. The Kuril Islands were once home to a dialect of what language, now spoken almost exclusively in Japan's northernmost prefecture?

A: Ainu

### Mystery Link

19. Which MCU TV series, released entirely on January 9, 2024, stars Alaqua Cox as the titular deaf vigilante reconnecting with her native American roots?

A: Echo

20. Aroldis Chapman, Mickey Mantle, and Babe Ruth all played for which MLB team?

A: New York Yankees (prompt on: New York)

21. What Sunday comic strip created by Bill Amend is known for its comedic takes on subjects such as nerd culture, complex math, and iconic pieces of pop-culture, and shares its name with a dance?

A: Foxtrot

22. By land area, which Canadian province is the largest?

A: Quebec

23. Which major American airline fits the category?

A: Delta Airlines

All are letters in the NATO phonetic alphabet.

### END OF FIRST QUARTER

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### SECOND QUARTER

### Splits: 20th Century Painters and The Chinese Civil War

#### 20th Century Painters

24. What artist, who painted flowers like *Red Cannas* and *Oriental Poppies* early in her career, is also notable for her later paintings of animal skulls and the desert in New Mexico?

A: Georgia O'Keeffe

25. Famous for his wet-on-wet painting technique, which former Air Force pilot is known for his television show, *The Joy of Painting*?

A: Bob Ross

26. Which of Picasso's periods featured the work *Boy With A Pipe*, and is named for its consistent use of pink colours?

A: **Rose** period

27. Which post-modernist artist, known for works like *Dustheads* and *Riding With Death*, worked primarily in the medium of graffiti, and died tragically of a drug overdose at 27?

A: Jean-Michel **Basquiat** [baa-skee-aat]

### **The Chinese Civil War**

28. The Kuomintang were opposed in the Chinese Civil War by what party, who are still the ruling party in the People's Republic of China?

A: Chinese **Communist** Party (accept: **CCP**)

29. Who led the Chinese resistance against Japanese forces during WWII and led the Kuomintang through the Chinese Civil War?

A: **Chiang** Kai-Shek

30. In which city did a massacre of Communists by the Kuomintang take place, marking the beginning of the Chinese Civil War?

A: **Shanghai**

31. Communist forces retreated from their old capital of Jiangxi [jang-shee] to Yan'an in what event, in part led by Mao Zedong?

A: **Long March**

### **Set of 4: Forrest Gump**

32. Forrest Gump aided in diplomacy between China and the US by playing what sport which he becomes proficient in by "never taking his eye off the ball"?

A: **ping pong** (accept: **table tennis**)

33. Forrest becomes a millionaire after his earnings from shrimping are invested into what growing tech company, which he describes as "some kind of fruit company"?

A: **Apple** Computer Inc.

34. After drinking 15 Dr. Peppers, Forrest Gump says "I gotta pee" to which US president, who Forrest Gump later explains was shot for "no particular reason"?

A: John F. **Kennedy** (accept: **JFK**)

35. Forrest Gump saw flashlights in a hotel room and made a call to security guard Frank Wills, presumably leading to what scandal that caused the impeachment of Richard Nixon?

A: Watergate scandal

### Set of 3: Cities on the Nile

36. What city sits at the convergence of the White and Blue Nile?

A: Khartoum

37. What city is slated to be replaced by Ramciel as the capital of South Sudan?

A: Juba

38. What Nile delta city is one of many named by and after a certain "great" conqueror?

A: Alexandria

### Double Jump

39. What country won a famous game at a stadium nicknamed "Icetecca" against Mexico on their way to topping CONCACAF to qualify for the 2022 FIFA World Cup?

A: Canada

40. Which former coach of the women's team coached the men's team during their World Cup but left afterward to coach Toronto FC due to disputes with the federation?

A: John Herdman

### Double Jump

41. In degrees, what is the smallest solution greater than zero to the equation "cosine x equals sine x"?

A: 45 degrees

42. In radians, what is the smallest solution greater than zero to the equation "sine x equals sine two x"?

A: pi/3 radians

## Linked Set of 6

43. The volcanic ruins of Pompeii are located near which major Italian city?

A: Naples

44. What popular summer treat comes in flavours like Moose Tracks, Rocky Road, and Neapolitan?

A: ice cream

45. A popular meme holds that which fast-food company's ice cream machines are always broken?

A: McDonald's

46. In which constituent country of the UK was Prime Minister John A. MacDonald born?

A: Scotland

47. Which common yachting river is the second longest in Scotland, and flows through Glasgow?

A: Clyde

48. Inky, Blinky, Pinky, and Clyde are the names of the ghosts in which classic arcade game?

A: Pac-Man

END OF FIRST HALF

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THIRD QUARTER

## Splits: Canadian Authors and Underworlds and Afterlives

### Canadian Authors

49. Which Canadian author wrote the Salterton, Cornish, and Deptford Trilogies?

A: Roberston Davies

50. *The Inconvenient Indian* and *Green Grass, Running Water* are by which Canadian author?

A: Thomas King

51. The LongPen, a remote signing device, was invented by what author of *Alias Grace*, *The Cat's Eye*, and *The Handmaid's Tale*?

A: Margaret Atwood

52. Collections like *Lives of Girls and Women* are by which author, the only Canadian to win the Nobel Prize in Literature?

A: Alice **Munro**

### **Underworlds and Afterlives**

53. Home to the einherjar [ayn-HEH-ree-aar], what is the name for Odin's hall for those who die honorably in combat?

A: **Valhalla**

54. The vast majority of souls in Greek myth were sent to fields named for what flower?

A: Fields of **Asphodel**

55. Mictlan is the underworld in which civilisation's myth tradition?

A: **Aztec**

56. What god ruled the Duat, the underworld in Egyptian myth?

A: **Osiris**

### **Set of 4: TikTok Cooking**

57. What condiment, made popular by TikTok user Chef Pii, gets its distinctive colour from dragonfruit?

A: **pink** sauce

58. What type of meat, which became very popular on TikTok, is known for its unique marbling and has a name literally meaning Japanese cow?

A: **wagyu**

59. "Do it the right way, not the white way" and "Fuiyoh" are catchphrases by what Nigel Kin-Ju character, who often criticizes the cooking of fried rice?

A: **Uncle Roger** (prompt on partial answers)

60. What content creator has claimed that she wouldn't want to "donate [her] organs to meat eaters after [she] dies" and likened animal agriculture to the Holocaust before being reported en-masse and banned from TikTok?

A: **That Vegan Teacher** (do not prompt on partial answers)

## Jailbreak

61. Which Japanese author of *The Temple of the Golden Pavilion* famously staged a coup and committed ritual suicide upon its failure?

A: Yukio **Mishima**

62. Vostok is the Russian word for what cardinal direction, as in the name of Vladivostok?

A: **east**

63. A variation of the OR6A2 gene can make what herb taste like soap?

A: **cilantro** (accept: **coriander**)

64. Born in a town called Berlin in 1874, which Canadian prime minister served the longest?

A: William Lyon **Mackenzie King**

65. What actor from the TV show *Mr. Robot* also received an Oscar for portraying Freddy Mercury?

A: Rami **Malek**

66. What Russian ballerina names an Australian meringue-based dessert?

A: Anna **Pavlova**

67. What is the official currency of the South African Monetary Area?

A: South African **Rand** (accept: **ZAR**)

68. Located in the north of the continent, what is the longest mountain range in Africa?

A: **Atlas** mountains

69. Soma is the principal drug in what dystopian novel by Aldous Huxley?

A: **Brave New World**

70. Cathode-ray tubes have been supplanted by liquid crystal displays for use in what technology, whose colour type came into use in the mid-20th century?

A: **televisions** (accept: **TV**)

71. What company produces the 83, 84, and Nspire series of graphing calculators?

A: **Texas Instruments** (accept: **TI**)

72. Sometimes considered to be the first global war, what war took place from 1756 to 1763?

A: **Seven Years War**

73. Young children often struggle to grasp what concept, the idea that things you can't sense don't disappear?

A: **object permanence**

END OF THIRD QUARTER

## FOURTH QUARTER

### Pyramid – What material am I?

74. **Clue A:** At the Met Gala in 2021, Lupita Nyong'o [loo-PEE-ta nee-ON-go] wore a dress made from me. What material am I?

**Clue B:** Jacob Davis used me to make a product originally intended for gold miners, which quickly became popular in the US due to its durability. What material am I?

**Clue C:** One variety of me weaves 3 yarns vertically for every 1 yarn horizontally, and I am named for a city in France. What material am I?

**Clue D:** One of the first people to sell pants made of me was Levi Strauss, and I have since become a necessity in any wardrobe, with pants made of me coming in skinny and ripped varieties. What material am I?

A: denim

### Set of 4: Starts and Ends the Same

The first three letters of each answer will be the same as the last three letters and in the same order.

75. What word means the state of being twisted, confused, or caught in something, and also refers to a phenomenon where two quantum particles have related states?

A: entanglement

76. What word means to provide insufficient monetary support for something?

A: underfund

77. What type of hygiene product is used to reduce sweat, especially under the armpit?

A: antiperspirant

78. What is the name for the process of converting electrically neutral molecules to electrically charged molecules, often by removing electrons?

A: ionization

## Streak

79. Name up to all four of the Greater Sunda islands, located within the Indonesian archipelago.

- A: Java  
Sumatra  
Borneo (do not accept: Kalimantan)  
Sulawesi (accept: Celebes)

## Streak

80. Give the official names of up to all 6 weapons which appear in the original version of the board game *Clue*.

- A: candlestick  
dagger  
lead pipe (accept: lead piping) (prompt on: pipe)  
revolver  
rope  
wrench (accept: spanner)

## 13-Part Blitz

81. Which faction does Beatrice Prior decide to join in the young adult novel *Divergent*?

- A: Dauntless

82. Which Kitchener-born guard was the most recent Canadian player to win an NBA title?

- A: Jamal Murray

83. Anglerfish and fireflies exhibit what trait, the emission of light in living organisms?

- A: bioluminescence

84. Cocibolca is another name for what largest lake by area in Central America, located in a namesake country?

- A: Lake Nicaragua

85. How would you spell the name of the state home to senator Elizabeth Warren, Massachusetts?

- A: M-A-S-S-A-C-H-U-S-E-T-T-S

86. 3.26 light years is the length of what unit, famously misused in a quote by Han Solo?

A: **parsec** (prompt on **pc**)

87. Acheulean [a-SHOO-lee-an] tools were mainly associated with what species, which has a name meaning upright man?

A: **Homo erectus** (prompt on: **erectus**)

88. Named for an Indian physicist, what group of subatomic particles have integer spins?

A: **bosons**

89. In what year did the first test flight of the Boeing-747, the Football War, and the Stonewall riots occur?

A: **1969**

90. What is the only US state to have a land border with exactly one other state?

A: **Maine**

91. Appearing as an assist trophy who hits people with a tennis racket, what character was controversially not playable in *Super Smash Bros. Ultimate*?

A: **Waluigi**

92. Although originally meaning a kind of suitcase, what term can also refer to words like smog, brunch, and spork?

A: **portmanteau**

93. Which War of 1812 battle saw the death of Isaac Brock?

A: Battle of **Queenston Heights**

**END OF GAME**