



GRADWRITE

Contributors:

Asha Basu

McKenna Gray

Eli Nason

Denali Tran-Le

Charlotte Bauer

Lucas Hall

Adrian O'Leary

Stefan Vlad

Tai Belke

Zach Higgins

Nathan O'Leary

Chris Wang

Tomas Bertovic

Joyann Hua

Stephen Ottewell

Chloe Wei

Brendan Bridle

Lee Huynh

Olivia Parisotto

Alvin Yeung

Kunaal Chandrashekar

Susanna Liao

Anna Reso

Simon Choist

Eva Mandelbaum

Matthew Stasiw

Amir Dolansky

Will Marcotte

Dylan Steptoe

James Ferrabee

Nina Nakamura

Serena Suleman

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 temperate fertile plain covers all of Uruguay, along with Brazil's Rio Grande do Sul and eastern Argentina?

A: **Pampas** Plain

3. In Greek mythology, the majority of ordinary souls are sent to which fields in the Greek underworld?

A: Fields of **Asphodel** (accept: **Asphodel** Meadows)

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. Harun al-Rashid gifted a water clock and an elephant to which Carolingian Emperor in 802?

A: **Charlemagne**

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

A: Lake **Nipissing**

Set of 4: Ballroom Dance

7. 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**

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

A: **leader**

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

A: **waltz**

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

A: **Latin**

Pyramid

11.

Part 1: What culinary technique 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 culinary technique, 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 culinary technique 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 culinary technique in dim sum.

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

Set of 3: Dating

14. What method of scientific dating involves counting layers of rings in trees?

A: **dendrochronology**

15. What British television show sees a new bombshell enter the villa to try to seduce someone away from their partner every season?

A: **Love Island**

16. Whitney Wolfe Herd founded what supposedly feminist dating app, on which women make the first moves?

A: **Bumble**

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. Which 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 surname was shared by the authors of *The Tenant of Wildfell Hall*, *Jane Eyre*, and *Wuthering Heights*?

A: **Brontë**

20. What surname was shared by the authors Acton, Currer, and Ellis, pseudonyms under which the Brontë sisters published?

A: **Bell**

5-Part Mystery Link

21. After a car accident ended 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** (accept: Dr. **Strange**)

22. Also known as trisomy 21, what genetic disorder is caused by a partial or complete duplication of chromosome 21?

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

23. 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**)

24. What type of toy is a dreidel, generally exemplified by toys that balance on one

point by spinning?

A: spinning **top**

25. What Pixar film's Oscar-winning score was composed by Michael Giacchino ["jee-ah-KEY-no"]?

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 on partial answers)

28. What game franchise recently released DLC that allows players to join a career performing tasks such as 'determine cause of death' and 'return the urn to the family' as the Grim Reaper?

A: *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: **caope**)

31. Which green-skinned god ruled over the Duat, the Egyptian underworld?

A: **Osiris**

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. If souls are measured to weight more than Ma'at, to what lion-crocodile-hippo chimera are souls 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-Shuiling **Wu**

Double Jump

41. What letter follows "http" in web browsers to indicate a secure protocol is being used?

A: **s**

42. What are the two most common http request methods, which allow users to retrieve and send data to web services?

A: **GET** AND **POST**

Double Jump

43. What general of the Army of Africa ruled until 1975 as the fascist dictator of Spain?

A: Francisco **Franco**

44. In a compromise with monarchists, Franco appointed which monarch to be his successor, who later went against Franco's wishes by making Spain a democracy?

A: **Juan Carlos I**

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 on: robot)

END OF FIRST HALF

THIRD QUARTER

Splits: Marsupials & Sculptures Depicting Myths

Marsupials

51. 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)

52. What word can refer to all infant marsupials, but is most commonly used for baby kangaroos?

A: **joey**

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

A: **Tasmanian devil**

54. Marsupials derive their name from the Latin word for what external reproductive characteristic, used by marsupials to store their young?

A: **pouch** (accept: **marsupium**)

Sculptures Depicting Myths

55. What baroque sculptor portrayed mythological narratives in works including *Neptune and Triton*, *Apollo and Daphne*, and *The Rape of Proserpina*?

A: Gian Lorenzo **Bernini**

56. What ancient marble sculpture is thought to have originally been holding the apple of discord, though her arms have since been broken off?

A: **Venus de Milo** (accept: **Aphrodite of Melos**)

57. Artist Bill Reid portrays what trickster figure discovering humans inside of a large clamshell, as in the Haida creation myth?

A: **raven**

58. What city's founding legend is depicted in the bronze Capitoline Wolf statue?

A: **Rome**

Set of 4: Salt

59. What mountain range names a pink variety of table salt?

A: **Himalayas**

60. What author wrote *The Prince of Salt*, often described as "the first lesbian novel with a happy ending," but is better known for *Strangers on a Train* and *The Talented Mr. Ripley*?

A: Patricia **Highsmith**

61. Which element is often added to table salt to prevent thyroid dysfunction?

A: **iodine** (accept: **I**)

62. On 6 April 1930, whose followers made salt from saltwater in Dandi after travelling 240 miles from Ahmedabad, defying the British Raj's salt laws?

A: **Mahatma Gandhi** (accept: **Mohandas Gandhi**) (prompt on: **Gandhi**)

Jailbreak

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

A: **one-child** policy

64. What song by the Yeah Yeah Yeahs features in a TikTok trend where participants put out their hand to the lyric "Wait," before shuffling to "they don't love you like I love you"?

A: "**Maps**"

65. Who describes bowing his head to the moon in "Quiet Night Thought", an oft-recited Tang dynasty poem?

A: **Li Bai** (accept: **Li Bo**, **Li Po**)

66. What term is used to refer to people that experience romantic attraction, as opposed to aromantic people?

A: **alloromantic**

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**)

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. Jessica Campbell is an assistant coach for which NHL team that plays their home games at Climate Pledge arena, and is the second youngest in the NHL?

A: Seattle **Kraken** (prompt on: **Seattle**)

71. What is the radius of the unit circle?

A: **1**

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

A: Duke of **Edinburgh**

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 Canada, Alaska, and northern Eurasia?

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: Bourbon

79. Traditionally served in a silver or pewter cup, what cocktail, which consists of simple syrup, mint, bourbon, and crushed ice, is a symbol of the Kentucky Derby?

A: **mint julep**

80. What city's French Quarter contains the historic Bourbon Street?

A: **New Orleans**

81. Along with symbolising the modern House of Bourbon, what heraldic charge of a stylised lily represents France as a whole?

A: **fleur-de-lis**

Set of 4: Economics

82. Preceded by Bill Morneau, who recently resigned as Minister of Finance after having served in the position since 2020?

A: Chrystia **Freeland**

83. Companies such as Via Rail and Canada Post are what type of government owned entity?

A: **Crown** corporation

84. Who used the example of Portugal and England trading wine and cloth to demonstrate comparative advantage in international trade?

A: David **Ricardo**

85. What category of goods are used as inputs for production of more goods, contrasted with land and labour?

A: **capital**

15-Part Blitz

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

A: **ivory**

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

A: **ampersand**

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. The Society of Righteous and Harmonious Fists carried out what anti-imperialist rebellion in North China, which was defeated by the Eight-Nation Alliance in 1901?

A: **Boxer Rebellion** (accept: **Boxer Uprising**)

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

A: **float**

94. 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

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

A: **Wuhu** Island

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

A: **Ganges**

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

A: **Bali**

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

A: **Moulin Rouge!**

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

A: **snake**

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