



2022-23 High School Winter Qualifier (T2) – Pack 5

Head Editor: *Zhongtian Wang*

Writers/Editors: *Odin Fisher-Skau, Max Gedajlovic, Ian Greig, Paul Kasiński, Ryan Sharpe, Joe Su, Isaac Thiessen, Gaian Valdegamo, Colin Veevers, Zhongtian Wang, Joyce Xi*

PACK 5

FIRST QUARTER

6-Part Blitz

1. By what name is pyrite more commonly known?

A: **fool's gold**

2. What colour is in the name of the territorial flower of Nunavut and the provincial flower of New Brunswick?

A: **purple** (reject: violet)

3. Lucas Cruikshank is the real name of what internet personality, the first YouTuber to hit one million subscribers?

A: **Fred** Figglehorn

4. Which is the main element used as fuel in nuclear reactors?

A: **uranium** (accept: U)

5. Which spot in the batting order is nicknamed the "cleanup" spot?

A: **fourth**

6. What K-pop group sampled Paganini's "La Campanella" in the backing track of their song "Shut Down"?

A: **BLACKPINK**

Set of 5: Chromosomes

7. How many pairs of chromosomes make up the human genome?

A: **23**

8. In humans, which chromosome is found only in biological males?

A: **Y** chromosome

9. Whose study of fruit flies led him to prove the chromosomal theory of inheritance?

A: Thomas Hunt **Morgan**

10. Trisomy 21, which is when an individual has an extra copy of chromosome 21, characterizes what genetic disorder?

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

11. What condensed region of the chromosome connects the sister chromatids during mitosis?

A: **centromere**

Jackpot

12.

Part 1: What song was chiefly responsible for Charlotte Awbery's rise to fame, after a video of her singing it in a London tube station in 2020 went viral? She performed this song on *The Ellen DeGeneres Show* later that year.

Part 2: In one movie scene, a country singer tells a woman "I think you might be a songwriter" after she sings this song to him in a parking lot.

Part 3: The two singers of this song ask each other "Is there something else you're searching for?" and "Ain't it hard keeping it so hardcore?"

Part 4: Ally ["AL-ee"], played by Lady Gaga, belts out "I'm off the deep end, watch as I dive in" as she performs this song with Bradley Cooper in the film *A Star is Born*.

A: **"Shallow"**

Set of 4: Fictional Impostors

16. An out-of-work and recently-divorced actor played by Robin Williams disguises himself as what titular nanny of a 1993 movie?

A: Mrs. **Doubtfire**

17. Who routinely used Polyjuice potion throughout an entire school year to impersonate Mad-Eye Moody in *Harry Potter and the Goblet of Fire*?

A: Barty **Crouch Jr.** (accept: **Barty** Crouch **Jr.**) (prompt on answers without "Jr.")

18. Matt Damon plays a mob-affiliated spy in the police force, while Leonardo DiCaprio plays an undercover cop in the mob, in what Martin Scorsese movie?

A: *The* **Departed**

19. Who disguises herself as a eunuch named Cesario in order to serve Duke Orsino in *Twelfth Night*?

A: **Viola**

Linked Set of 6

20. Contrasted with solids, what name is given to the other set of balls in 8-ball pool?

A: **stripes** (accept: **striped**)

21. What object is colloquially referred to as the "Stars and Stripes"?

A: **American flag** (accept clear equivalents) (prompt on: **flag**)

22. What island is the setting of Joe Rosenthal's famous photograph of soldiers raising the American flag on Mount Suribachi?

A: **Iwo** Jima (accept: **Iwo** Island)

23. What East Asian country owns Iwo Jima?

A: **Japan**

24. In which year of the 20th century were the Olympic Games first hosted in Japan?

A: **1964**

25. Who became General Secretary of the Communist Party of the Soviet Union in 1964, succeeding Nikita Khrushchev?

A: Leonid **Brezhnev**

SECOND QUARTER

Splits: Japanese Artists & Recent Commercials

Japanese Artists

26. Known for her *Cut Piece*, what performance artist also conducted “bed-ins for peace” with her husband John Lennon?

A: Yoko **Ono** (accept: **Ono** Yoko)

27. What artist's *Thirty-six Views of Mount Fuji* includes *The Great Wave off Kanagawa*?

A: Hokusai **Katsushika** (accept: Katsushika **Hokusai**)

28. Polka dots are a common motif for what contemporary artist known for her *Infinity Mirror Rooms*?

A: Yayoi **Kusama** (accept: **Kusama** Yayoi)

29. Along with Toshio Suzuki and Isao Takahata, which animator and director founded Studio Ghibli?

A: Hayao **Miyazaki** (accept: **Miyazaki** Hayao)

Recent Commercials

30. What animal asks “Oh! Am I an ad?” in an advertisement for YouTube Premium?

A: **meerkat**

31. What actor became the subject of mockery as cryptocurrency crashed in 2022, after delivering the line “Fortune favours the brave” in commercials for Crypto.com?

A: Matt **Damon**

32. What industry has been airing many ads during NHL games, featuring stars like Wayne Gretzky, who says “with every tap, a new legend is born”?

A: sports **gambling** (accept: sports **betting**) (prompt on: sports **gaming**)

33. In 2021, what fast food chain hired Steph Curry, Serena Williams, Megan Rapinoe, Tom Brady, and Charles Barkley to appear in ads for their “eat fresh refresh”?

A: **Subway**

Set of 3: Country Nicknames

34. What country has been nicknamed the “graveyard of empires” due to its long history of ill-fated invasions by foreign powers such as Britain, the US, and the Soviet Union?

A: **Afghanistan**

35. Adam’s Bridge formerly connected India to what island, known as its “teardrop”?

A: **Sri Lanka**

36. By virtue of its shape, France is often referred to by what geometric nickname?

A: **L’Hexagone** (accept: the **Hexagon**)

Double Jumps

37. Who wrote about Charlotte Haze, Humbert Humbert, and the titular “nymphet” in *Lolita*?

A: Vladimir **Nabokov**

38. What other Nabokov work takes the form of a 999-line poem with a foreword and extensive commentary by the fictional academic Charles Kinbote?

A: **Pale Fire**

39. In what video game featuring Yoshi does the player travel to far-off planets aboard the Starship Mario?

A: **Super Mario Galaxy 2** (reject partial answers)

40. What is the name of the large purple “luma” who owns the Starship Mario in *Super Mario Galaxy 2*?

A: **Lubba**

Set of 4: 3D Geometry

41. What is the volume of a sphere with radius 3?

A: **36 pi**

42. In a cube with side length 1, how long is the longest diagonal?

A: square **root** of **3**

43. All but one of the faces of a pyramid have what shape?

A: **triangle**

44. What 3D shapes can be intersected with a plane to produce ellipses, hyperbolas, and parabolas?

A: **cones**

6-Part Blitz

45. How many partitions did the Polish-Lithuanian Commonwealth undergo in the late 1700s?

A: **three**

46. Who included the melodies of both *La Marseillaise* and *God Save the Tsar* in the ending to his *1812 Overture*?

A: Pyotr Ilyich **Tchaikovsky**

47. What occupation does a thespian have?

A: **actor** (accept: **actress**, **acting**) (accept specific kinds of actors)

48. What newly-elected US representative for New York is under investigation for a series of wide-ranging lies about his education, employment, and criminal history?

A: George **Santos**

49. What Beatles song is titled for a time when the singer's troubles "seemed so far away?"

A: **"Yesterday"**

50. Who filmed one episode as the host of *Jeopardy!* before losing his jobs as host and producer over misconduct allegations?

A: Mike **Richards**

THIRD QUARTER

Splits: At the Amusement Park & Literary Travels

At the Amusement Park

51. What animal names a type of roller coaster featuring small cars and tight, unbanked turns?

A: **mouse** (accept: Wild **Mouse**)

52. Named for the nations that have governed Texas, what corporation owns multiple amusement parks throughout North America, including Montreal's La Ronde?

A: **Six Flags** Entertainment Corporation

53. What amusement park staple was first designed for the 1893 World's Columbian Exposition in Chicago and named for an American engineer?

A: **Ferris wheel**

54. In the UK, they are known as dodgems. What is this attraction more commonly called in Canada?

A: **bumper cars**

Literary Travels

55. How many years does it take for Odysseus to return home in the Odyssey?

A: **10** years

56. To what English town do a group of pilgrims travel in Geoffrey Chaucer's epic of the same name?

A: **Canterbury**

57. Alongside his valet Passepartout, who travels around the world in 80 days in a Jules Verne novel?

A: **Phileas Fogg** (accept either underlined part)

58. What 1957 book follows Sal Paradise and his friends as they travel across the continental US, and is considered the best-known novel of the Beat Generation?

A: **On The Road**

Jackpot

59.

Part 1: After a trip to the Arctic, who controversially blamed the Hudson's Bay Company for spreading disease and for cheating Inuit traders, leaving them without enough money to afford nutritious food?

Part 2: This person administered treatments that saved the life of Elizabeth Hughes Gossett, after the treatments had been prepared by James Collip.

Part 3: This person was awarded a prize jointly with John Macleod ["muk-LOUD"], but refused to acknowledge Macleod's contributions, and shared his prize money with an assistant who was not recognised.

Part 4: Together with his assistant Charles Best, this Canadian discovered insulin.

A: Frederick **Banting**

Streaks

63. Name up to all three of the cities whose bishops claimed to be the true pope at various times during the Western Schism.

A: **Rome, Avignon, Pisa**

64. Name up to all three Canadian teams in the Big Four sports leagues that play their home games in venues named after Rogers.

A: Vancouver **Canucks**, Edmonton **Oilers**, Toronto **Blue Jays** (prompt if only the city is given)

Set of 4: Earth's History

66. With a Greek name meaning "all Earth", what is the name of the supercontinent that existed about 300 million years ago?

A: **Pangaea**

67. The end of what period saw the largest mass extinction event in Earth's history?

A: **Permian** period

68. The first eon of Earth's geologic history is given what hellish name?

A: **Hadean** eon

69. What was the first period of the Paleozoic era? This period began with a namesake "explosion" in the diversity of living things.

A: **Cambrian** period

6-Part Blitz

70. Mount Sidley is the highest volcano on which continent?

A: **Antarctica**

71. In 2021, what country's government diverted a Ryanair flight to its capital under false pretenses in order to arrest dissident journalist Roman Protasevich?

A: **Belarus**

72. Who composed Twelve Variations on the folk song "Ah vous dirai-je, Maman", which uses the melody of "Twinkle Twinkle Little Star"?

A: Wolfgang Amadeus **Mozart**

73. Frederick III was the first Holy Roman Emperor from what noble family which would later rule Spain and Austria-Hungary?

A: House of **Habsburg**

74. What river separates the world capitals of Brazzaville and Kinshasa?

A: **Congo** River (accept: **Zaire** River)

75. What American scored the winning goal in penalties of the 1999 Women's World Cup final?

A: Brandi **Chastain**

FOURTH QUARTER

Set of 3: Sovereignty

76. Closely related to "freemen on the land", what kind of people claim to be exempt from most or all statutes passed by the government?

A: **sovereign citizens** (accept: **SovCits**)

77. What political entity rejected "sovereignty-association" in two referendums held in 1980 and 1995?

A: **Quebec**

78. Since it lacks a written constitution, what modern-day country's principle of parliamentary sovereignty comes from a series of acts dating back to the Magna Carta?

A: **United Kingdom** (accept: **UK**, Great **Britain**)

Double Jumps

79. What is the principal ingredient in pilaf, paella, and risotto?

A: **rice**

80. What name is given to deep fried Italian rice balls, often stuffed with meat and tomato sauce?

A: **arancini** (accept: **arancino**, **arancina**)

81. Originally written for the film *Holiday Inn* by Irving Berlin, what song later became the best-selling physical single of all time when it was recorded by Bing Crosby?

A: **"White Christmas"**

82. The holiday classic "Have Yourself a Merry Little Christmas" first appeared in what film, in which Judy Garland's character sings it to her younger sister as their family prepares to move away from the title city?

A: **Meet Me in St. Louis** ["LOO-ee"]

83. Cicero applied the epithet "The Father of History" to what ancient Greek historian?

A: **Herodotus**

84. What other ancient Greek historian wrote "the strong do what they can and the weak suffer what they must" in the *Melian Dialogue*, a part of his *History of the Peloponnesian War*?

A: **Thucydides**

Set of 4: Cows

85. The longest chapter of what holy text is known in English as the Cow Surah?

A: The **Quran**

86. The stomachs of cows and other ruminants are divided into how many compartments?

A: **4**

87. Who was tasked with obtaining the Cattle of Geryon as part of his twelve labours?

A: **Hercules** (accept: **Heracles**)

88. What deadly human disease was first vaccinated against by using a milder virus common in cows?

A: **smallpox**

12-Part Blitz

89. What activist is on the Canadian 10-dollar bill?

A: Viola **Desmond**

90. What word refers to an island made of a coral reef that rings around a lagoon?

A: **atoll**

91. Contrasted with storm sewers, what kind of sewer transports human waste as well as other wastewater?

A: **sanitary** sewers

92. The regions of Marche ["MAR-kay"], Lombardy, and Calabria can be found in what country?

A: **Italy**

93. What HBO show's first two seasons have been set at its titular resorts in Hawaii and Sicily?

A: *The* **White Lotus**

94. What is the official language of Andorra?

A: **Catalan**

95. What German sociologist wrote *The Protestant Ethic and the Spirit of Capitalism*?

A: Max **Weber**

96. With atomic number 43, what is the lightest synthetic element on the periodic table?

A: **technetium** (accept: **Tc**)

97. The phrase "Democracy Dies in Darkness" appears on the masthead of what American newspaper owned by Jeff Bezos?

A: *The* **Washington Post**

98. What is the only country that still uses traditional Chinese characters as its main writing system?

A: **Taiwan** (accept: **Republic of China, ROC**) (reject: China, People's Republic of China)

99. Who is the main character of a series by Ludwig Bemelmans about girls at a boarding school in Paris?

A: **Madeline Fogg** (accept either underlined part)

100. Who created *Family Guy*?

A: Seth **MacFarlane**