



2022-23 High School Winter Qualifier (T2) – Pack 2

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 2

FIRST QUARTER

6-Part Blitz

1. What common citrus fruit is notorious for its adverse interactions with many prescription drugs?

A: **grapefruit**

2. Who painted *Bedroom in Arles* and *Sunflowers*?

A: Vincent **van Gogh**

3. Give the French title of the novel *The Hunchback of Notre Dame*.

A: **Notre-Dame de Paris**

4. What two-word term describes large areas of cold air at the Earth's poles that can sometimes bring harsh winter weather to lower latitudes?

A: **polar vortex** (accept: **polar vortices**)

5. Santoku, paring, and carving are types of what kitchen implement?

A: **knife**

6. Wayne Gretzky Parkway runs through what Southern Ontario city, his hometown?

A: **Brantford**

Set of 4: Kings and Queens

7. What pop singer has had hits with "Kings & Queens" and "Sweet but Psycho"?

A: Ava **Max** (accept: Amanda **Koci**)

8. What king calls for his pipe, his bowl, and his fiddlers three in a British nursery rhyme?

A: Old King **Cole**

9. Depicted in a *Civilization VI* expansion, what 12th-century figure became queen of France and then England through two successive marriages?

A: **Eleanor** of Aquitaine

10. What Biblical woman is remembered for the caravan of gold and other precious goods she brought to Solomon from her far-off realm?

A: **Queen of Sheba**

Set of 4: Lil Rappers

11. What rapper of the protest song "The Bigger Picture" collaborated with Drake on "Girls Want Girls" and "Wants and Needs"?

A: **Lil Baby**

12. Tunechi ["TOON-chee"] and Weezy are nicknames of what rapper who released the tracks "Lollipop" and "6 Foot 7 Foot" on his "Tha Carter" series of albums?

A: **Lil Wayne**

13. What rapper repeats the lines: "Push me to the edge / All my friends are dead" in the chorus of their track "XO Tour Life"?

A: **Lil Uzi Vert**

14. What rapper reached number one on the Billboard Hot 100 with the tracks "Industry Baby", "Montero (Call Me By Your Name)", and "Old Town Road"?

A: **Lil Nas X**

Jackpot

15.

Part 1: What was the subject of two "Super Outbreak" events in 1974 and 2011?

Part 2: Rear flank downdrafts precede the formation of many of these entities.

Part 3: The United States sees ten times more of these entities than any other country, many of which occur in a namesake "alley" in the Midwest.

Part 4: The Enhanced Fujita Scale is used to measure the intensity of these natural disasters.

A: **tornadoes** (accept: **twisters**) (prompt on: **cyclones**)

Set of 3: Chemical Bonds

19. The high electronegativity of nitrogen, oxygen, and fluorine make them common participants in what kind of intermolecular bond?

A: **hydrogen** bond (accept: **H**-bond)

20. Besides ionic and covalent, what is the third type of intramolecular bond?

A: **metallic** bond

21. The partial charges of atoms in a chemical bond are represented by which Greek letter?

A: lowercase **delta**

Streaks

22. Name up to all of the eight most populous countries in the world.

A: **China, India, United States of America** (accept either underlined part)
(accept: **USA**), **Indonesia**, **Pakistan**, **Nigeria**, **Brazil**, **Bangladesh**

SECOND QUARTER

Splits: Animated Series & Ancient Philosophy

Animated Series

26. What show created by Rebecca Sugar follows the adventures of the titular protagonist, his best friend Connie, and three magical aliens known as Crystal Gems?

A: **Steven Universe**

27. "Welcome to Republic City" is the first episode of what animated series, the sequel to *Avatar: The Last Airbender*?

A: *Avatar: The **Legend of Korra*** (prompt on: *Korra*)

28. What animated character has an older sister named Summer Smith and a grandfather named Rick Sanchez?

A: **Mortimer "Morty"** Smith (accept either underlined part)

29. The final episode of what show sees Francine as the owner of a sneaker company and D.W. as a police officer?

A: **Arthur**

Ancient Philosophy

30. The *Zhuangzi* and the *Tao Te Ching* ["dao de jing"] serve as the fundamental texts of what school of thought, practised by some as a religion?

A: **Taoism** (accept: **Daoism**)

31. The development of hylomorphism, the formulation of the four causes, and the first study of formal logic are all attributed to what student of Plato?

A: **Aristotle**

32. What term does Plato use in his *Republic* to refer to the hypothetical ruler required to bring about an ideal state?

A: **philosopher-king** (reject partial answers)

33. A founder of the Cynic school of thought, what philosopher born in Sinope is famed for his dismissive encounter with Alexander the Great and for living in a large ceramic jar on the street?

A: **Diogenes** of Sinope

Set of 3: Webcomics

34. What Randall Munroe webcomic featuring stick figures has a name made of four consonants?

A: **xkcd**

35. What Ngozi Ukazu webcomic with a punny name follows the romance of Eric Bittle and Jack Zimmerman, both members of the Samwell men's hockey team?

A: **Check, Please**

36. What word titles the most famous strip of the webcomic *Control Alt Delete*, in which its main character discovers his fiancée has miscarried?

A: **"Loss"**

Set of 4: Constructed Languages

37. Sonja Lang invented what minimalistic constructed language whose name literally means "good language"?

A: **Toki Pona**

38. What Spanish- and Arabic-inspired constructed language did David J. Peterson develop for characters such as Khal Drogo in *Game of Thrones*?

A: **Dothraki**

39. A green flag with a green star is a major symbol for what most widely-spoken constructed language?

A: **Esperanto**

40. What English author invented constructed languages such as Quenya and Sindarin for the elves of Middle Earth?

A: J.R.R. **Tolkien**

Set of 4: Woodworking

41. Used almost exclusively in Canada, what kind of screw has a square socket?

A: **Robertson** screw

42. Layers of wood veneer with alternating grain direction are glued together to produce what common building material?

A: **plywood**

43. What wood from the *Ochroma* tree is commonly used to build model airplanes because of its extremely low density?

A: **balsa** wood

44. What woodworking material can be designated as 220 or 600 grit?

A: **sandpaper**

6-Part Blitz

45. What new name was given to the Lou Marsh Trophy in 2022?

A: **Northern Star Award**

46. What three-word Latin term describes a person or thing that appears seemingly out of nowhere to solve a problem?

A: **deus ex machina**

47. The geoduck ["GOO-ey-duck"] and quahog ["KOH-hog"] are examples of what kind of mollusc?

A: **clams**

48. "The Most Interesting Man in the World" was an advertisement used for what beer?

A: **Dos Equis**

49. Nookazon is a fan-made trading website used by players of what popular 2020 Nintendo game?

A: *Animal Crossing: **New Horizons*** (reject: *Animal Crossing*)

50. What is the largest island in Africa?

A: **Madagascar**

THIRD QUARTER

Splits: Minerals & Chamber Music

Minerals

51. Which alkaline earth metal is found in aquamarine and emerald?

A: **beryllium** (accept: **Be**)

52. What mineral defines a 7 on the Mohs hardness scale?

A: **quartz**

53. Which variety of quartz is purple in colour?

A: **amethyst**

54. What is the only element present in diamond?

A: **carbon** (accept: **C**)

Chamber Music

55. Whose chamber works include the "Ghost" and "Archduke" piano trios?

A: Ludwig van **Beethoven**

56. What chamber ensemble consists of two violins, a viola, and a cello?

A: **string quartet**

57. Who unusually included a double bass part in his *Trout Quintet*?

A: Franz **Schubert**

58. Who is considered the father of the string quartet?

A: Franz Joseph **Haydn**

Set of 5: The Thirty Years' War

59. During which century did the Thirty Years' War take place?

A: **17th** century (accept: **1600s**)

60. Ruled by Ferdinand II at the beginning of the conflict, what polity composed of imperial states did the Thirty Years' War originate in?

A: **Holy Roman Empire** (accept: **HRE**)

61. Early in the war, a revolt in what state of the Holy Roman Empire saw two Catholic councillors defenestrated in Prague?

A: Kingdom of **Bohemia**

62. What cardinal oversaw much of France's foreign policy during the Thirty Years' War?

A: Cardinal **Richelieu**

63. What country suffered a crushing defeat at the Battle of Nordlingen, two years after its King Gustavus Adolphus died in battle?

A: **Sweden**

Jailbreak

64. Pressing the Escape, colon, and q keys in sequence allows one to exit what popular command-line text editor?

A: **Vim**

65. What is the only English capital letter with two closed loops?

A: **B**

66. What noun refers to a metrical foot composed of an unstressed syllable followed by a stressed syllable?

A: **iamb** (accept: **iambus**)

67. With a name that translates to "No-Brand Quality Goods," what Japanese retail company sells a wide variety of products with minimalist packaging?

A: **Muji**

68. What substance is covered by the enamel in human teeth?

A: **dentin**

69. What vegetable is also known as silverbeet and has a "rainbow" variety with colourful stalks?

A: Swiss **chard**

70. What indie game by Night School Studio sees Alex and her friends encounter the ghosts of the USS *Kanaloa* while spending the night on Edwards Island?

A: **Oxenfree**

71. What novel narrated by Death follows Liesel Meminger as she grows up in Nazi Germany?

A: *The* **Book Thief**

72. What river separating New Jersey and Pennsylvania shares its name with America's first state?

A: **Delaware** River

73. What term describes a function whose graph is rotationally symmetric about the origin?

A: **odd** function

74. What "B"-word refers to makeup products that are used to give the skin a tanned appearance?

A: **bronzers**

75. What author created the fictional town of Mariposa in his *Sunshine Sketches of a Little Town*?

A: Stephen **Leacock**

FOURTH QUARTER

Jackpot

76.

Part 1: In what film does Anderson Cooper appear as himself to report on an incident involving captured mercenaries at the United Nations headquarters?

Part 2: This movie includes a scene in an MIT dorm room in which a student tells a woman to be conscious of the way she looks because of ash on her head.

Part 3: Tenoch Huerta learned a Mayan language and how to swim for his role as the main antagonist of this movie, who leads an ancient underwater civilization called Talokan.

Part 4: Shuri ingests the heart-shaped herb and becomes the new incarnation of the title superhero of this 2022 movie, following the death of her brother T'Challa.

A: *Black Panther: Wakanda Forever* (reject: *Black Panther*)

Set of 3: Famous Days

Given a description of a historical event, give the *nickname* for the day on which it occurred. The calendar date will not be accepted.

80. Hours after paratroopers landed overnight, five Allied divisions stormed the beaches of Normandy, beginning the liberation of Western Europe.

A: **D-Day**

81. The Big Bopper, Ritchie Valens, and Buddy Holly, along with pilot Roger Peterson, were killed in a plane crash near Iowa.

A: The **Day the Music Died**

82. 14 Catholic civil rights protesters were shot dead by British soldiers in Derry, Northern Ireland.

A: **Bloody Sunday**

Double Jumps

83. In December 2022, the US freed arms dealer Viktor Bout from prison in order to secure the release of what basketball star?

A: Brittney **Griner**

84. For which WNBA team does Griner play?

A: **Phoenix Mercury** (accept either underlined part)

85. What waterway was obstructed for six days in March 2021 after the container ship *Ever Given* ran aground?

A: **Suez Canal**

86. Fifteen ships known as the Yellow Fleet were trapped in the canal for nearly eight years after Egypt blockaded it following what war?

A: **Six-Day** War

87. In what play does the title character declare "I am constant as the northern star" before being assassinated by Roman senators?

A: **Julius Caesar**

88. After Caesar's assassination, who addresses the assembled crowd by saying "I come to bury Caesar, not to praise him", but then gradually shifts his tone to manipulate the crowd against the conspirators?

A: Mark **Antony**

12-Part Blitz

89. The Madonna lily and blue flag iris have both been floral emblems of which province?

A: **Quebec**

90. What is the NFL's all-star game called?

A: **Pro Bowl**

91. Espresso is diluted with hot water to make what drink?

A: **caffè Americano**

92. Consisting of vessel elements and tracheids, what dead vascular tissue transports water in plants?

A: **xylem**

93. What sports league has, by far, the highest annual attendance of any in the world?

A: **Major League Baseball** (accept: **MLB**)

94. What "C"-word refers to a large impermeable container commonly used to collect rainwater?

A: **cistern**

95. Who wrote *Paradise Lost*?

A: John **Milton**

96. What Canadian airline owns the budget carrier Swoop and the regional airline Encore?

A: **WestJet**

97. What architectural term refers to a long row of columns joined at the top?

A: **colonnade**

98. What word beginning with "S" refers to a medical professional who specializes in producing ultrasound images?

A: **sonographer**

99. Eggs Benedict is typically served with what sauce?

A: **Hollandaise** sauce

100. What larger body of water does the Adriatic Sea belong to?

A: **Mediterranean** Sea