



2023-24 High School Qualifier (T3) – Pack 6

Head Editor: *Ian Greig*

Writers/Editors: *Ian Chow, Hannah Cookson, Odin Fisher-Skau, Max Gedajlovic, Ian Greig, Paul Kasiński, Yadu Kukenthiran, Jenny Mao, Jack van Nostrand, Ryan Sharpe, Joe Su, Isaac Thiessen, Gaian Valdegamo, James Wang, Zhongtian Wang, Adrian Wong, Joyce Xi*

PACK 6

5-Part Blitz

1. "Second to the right, and straight on till morning" are the directions used to reach what place in the works of J.M. Barrie?
A: **Neverland**
2. What "A"-word refers to the event when a human figuratively rises to the ranks of a divine entity? It is a synonym of "deification".
A: **apotheosis**
3. What Orlando Pride forward is Brazil's all time leading international goal scorer?
A: **Marta** (accept: Marta Vieira **da Silva**)
4. Before many converted to Islam or Christianity, Mongol Khans practiced what Turkic religion, focused on the worship of a namesake sky god?
A: **Tengriism** (accept: **Tengriist**)
5. What word means a person who warns the public of wrongdoings by an organization or government?
A: **whistleblower**

Double Jump

6. What author's laws of robotics were influential to science fiction writing, and featured in *I, Robot* and his *Foundation* series?
A: Isaac **Asimov**
7. The term "robot" was first coined by what Czech playwright in his play *R.U.R.*?
A: Karol **Capek**

Double Jump

8. Chiquita is one of the world's largest distributors of what fruit?
A: **bananas**
9. Chiquita is the successor to what multinational company that played a key role in overthrowing the Guatemalan government in 1954?
A: **United Fruit** Company (accept: **UFC**)

Set of 4: Doubly-Eponymous Science Terms

Each answer will contain the names of two scientists.

10. What principle in genetics illustrates how allele frequencies will remain constant in a population free from evolutionary influences?
A: **Hardy-Weinberg** principle/equilibrium
11. A series of concentric electron orbitals surrounding a nucleus describes what pictorial representation of atom structure?
A: **Bohr-Rutherford** model (accept: **Rutherford-Bohr** model)
12. What diagram shows the relationship between a star's temperature and luminosity?
A: **Hertzsprung-Russell** diagram
13. What chemical manufacturing procedure uses hydrogen and nitrogen gas to synthesize ammonia?
A: **Haber-Bosch** process

Jackpot

14. Part 1: What surname is shared by two actors who appear in a scene together in a subway station, in which one says "All we gotta do is push this black button right here", and both imagine seeing dinosaurs?
15. Part 2: A man with this surname is known for playing the character Silent Bob, who first appeared in his directorial debut *Clerks*.
16. Part 3: An actor with this surname played Professor McGonagall in the *Harry Potter* movies.
17. Part 4: An actor with this surname starred alongside Tommy Lee Jones in *Men In Black*, and slapped Chris Rock at the 2022 Oscars.
A: **Smith**

Set of 3: Mottos

18. "Liberty, equality, fraternity" is the translated motto of what country?
A: **France**
19. The motto of what organization is sometimes joked to be "they always get their man"?
A: **RCMP** (accept: **Royal Canadian Mounted Police, Mounties**)
20. What is the two-word motto of the Scouts?
A: **"be prepared"**

5-Part Blitz

21. The name of what city in Colombia is also an unofficial nickname for an American state?
A: **Cali**
22. The bacteria *Yersinia pestis* causes what disease?
A: **bubonic plague** (accept: **black plague**) (prompt on: the plague)
23. What branch of linguistics studies the structure of words and how words are formed?
A: **morphology**
24. The Bayeux Tapestry depicts what Norman ruler's invasion of England?
A: **William the Conqueror** (accept: **William I, William the Bastard**) (prompt on: William)
25. An underwater summer camp is the setting of what prequel spinoff of *SpongeBob SquarePants*?
A: **Kamp Koral: SpongeBob's Under Years**

END OF FIRST QUARTER

SECOND QUARTER

Splits: Epic Literature & 3-Letter Words

Epic Literature

26. The *Kebrä Nagast* is the national epic of what African country, recounting how the Ark of the Covenant was brought there?
A: **Ethiopia**
27. The title character blows his slughorn to signal the start of the battle of Roncevaux Pass in what epic about a French knight?
A: **Song of Roland** (accept: **Chanson de Roland**)

28. The fallen angel Lucifer plots the expulsion of Adam and Eve from the Garden of Eden in what John Milton epic?
A: ***Paradise Lost***
29. Dido kills herself on a funeral pyre in what epic poem by Virgil?
A: ***The Aeneid***

3-Letter Words

Identify the three-letter word from its definition.

30. A garland made of flowers traditionally worn in Polynesia and Hawaii.
A: **lei**
31. A large, shaggy bovine often used as a pack animal in the Himalayas.
A: **yak**
32. An adjective referring to a pale or ashen complexion.
A: **wan**
33. A woman who might wear a habit and live in a convent.
A: **nun**

Double Jump

34. Who won a landslide re-election in the 1964 United States presidential election after succeeding John F. Kennedy?
A: **Lyndon** Baines **Johnson** (accept: **LBJ**) (prompt on: Johnson)
35. What Republican's extreme right-wing views led to him losing the 1964 election to Lyndon Johnson?
A: Barry **Goldwater**

Double Jump

36. What adjective describes numbers like 1, 3, 6, 10, 15, and so on, because they can be arranged in a particular shape?
A: **triangular**
37. What other geometric adjective refers to the numbers 1, 4, 10, 20, 35, and so on, formed by adding together the first k triangular numbers?
A: **tetrahedral**

Set of 4

38. What city hosted a massive conference from September 1814 to June 1815 that re-drew European borders and settled peace for the 19th century?
A: **Vienna**
39. The Congress of Vienna was chaired by what conservative politician, the longtime foreign minister and chancellor of Austria?
A: Klemens von **Metternich**
40. Whom did the Congress declare an outlaw when he left Elba, beginning the so-called "Hundred Days" that ended with his defeat at Waterloo?
A: **Napoleon** Bonaparte (accept: Emperor **Napoleon** I) (prompt on: Bonaparte)
41. After Napoleon's defeat, what royal dynasty was restored to the throne of France?
A: House of **Bourbon** (accept: **Bourbon** dynasty, the **Bourbons**)

Set of 5

42. With what artist did Coolio have a conflict, after Coolio personally refused to permit "Gangsta's Paradise" to be parodied?
A: Alfred "**Weird Al**" **Yankovic** (accept either bolded part)
43. On whose radio station did Yankovic first attain nationwide exposure?
A: **Dr. Demento** (accept: Barret Eugene **Hansen**)
44. Memorizing the Holy Grail, editing Wikipedia, and rolling on a Segway are characteristic of the title traits of what Weird Al song?
A: "**White & Nerdy**"
45. In addition to his parodies, Yankovic is also known for creating song medleys in what genre?
A: **polka**
46. Set to Don McLean's "American Pie", what Weird Al song summarizes the plot of *Star Wars: Episode I*?
A: "The **Saga Begins**"

Linked Set of 4

47. Frederic Edwin Church and Thomas Cole were members of what artistic school named for a New York waterway?
A: **Hudson River** School
48. Which cardinal direction names the waterway on the other side of Manhattan from the Hudson River?
A: **east**
49. What is the three-letter acronym for the German name of East Germany?
A: **DDR**
50. What Japanese entertainment company produces the *Dance Dance Revolution* series of video games?
A: **Konami**

END OF FIRST HALF

THIRD QUARTER

Splits: Programming & Events of 2023

Programming

51. What two-letter term is used to start conditional blocks in most programming languages?
A: **if**
52. A list slice in Python must include what symbol between two square brackets?
A: **colon**
53. What "C"-word refers to the box where the output of print statements can be shown?
A: **console**
54. What word refers to places in code where a program can be intentionally paused for debugging purposes?
A: **breakpoints**

Events of 2023

55. What country overtook China in 2023 to become the world's most populous country?
A: **India**
56. In July, Jonas Vingegaard won his second consecutive yellow jersey by finishing first in what cycling race?
A: 2023 **Tour de France**

57. In 2023, Venezuela held a non-binding referendum on claiming the Essequibo region of what country?
A: **Guyana**
58. What is the home country of Narges ["NAR-gess"] Mohammadi, who won the 2023 Nobel Peace Prize for her role in the "Woman, Life, Freedom" protests?
A: **Iran**

Set of 3: *Dungeons & Dragons* 5th Edition

59. Which of the basic player classes is characterized by their gift for storytelling and playing musical instruments?
A: **bard**
60. Races that are accustomed to living in forests or underground have what ability, which allows them to treat dim light like bright light and darkness like dim light?
A: **darkvision**
61. What word refers to spells that can be cast without using spell slots?
A: **cantrips**

Jailbreak

62. What word can refer to a distilled alcoholic drink or a ghost?
A: **spirit**
63. What four-letter word describes skirts that are shorter than maxi skirts but longer than knee-length?
A: **midi**
64. What earliest known Mesoamerican culture was known for building colossal heads?
A: **Olmecs**
65. What TV show follows a teenage boy who gets a job as a superhero's sidekick?
A: **Henry Danger**
66. What single word means a group or chain of islands?
A: **archipelago**
67. Who died before her novel *Sanditon* was complete? Her posthumously published novels include *Persuasion* and *Northanger Abbey*.
A: Jane **Austen**
68. In what 2023 first-person shooter developed by VOID Interactive does "Judge" Beaumont lead a police SWAT team in the fictional city of Los Sueños?
A: **Ready or Not**
69. Who won this season's NFL MVP award?
A: Lamar **Jackson**
70. What "S"-word can mean a split between two religious denominations, such as the one that occurred in 1054 between the Western and Eastern churches?
A: **schism**
71. What country celebrated Christmas on December 25th for the first time this winter, instead of following the Julian calendar as it had previously?
A: **Ukraine**
72. What basketball discussion show on TNT features hosts Kenny Smith, Ernie Johnson, Charles Barkley, and Shaquille O'Neal?
A: **Inside the NBA**
73. What streaming service's "Wrapped" campaign provides users a year-in-review of the music they listened to?
A: **Spotify**
74. Who painted *The Creation of Adam* on the ceiling of the Sistine Chapel?
A: **Michelangelo Buonarroti** (accept either bolded part)

75. Who created the show *Curb Your Enthusiasm*, on which he stars as a semi-fictional version of himself?
A: Larry **David**

END OF THIRD QUARTER

FOURTH QUARTER

Jackpot

76. Part 1: Who discovered an equation that, when written in differential form, states that the curl of the H-field is equal to the vacuum permeability times J, with a similar equation for the B-field?
77. Part 2: James Maxwell corrected that equation, and as such, one of Maxwell's four equations is named for this person. This scientist invented the concept of a solenoid.
78. Part 3: This scientist's most famous law states that the strength of a magnetic field around a straight wire is inversely proportional to the distance from the wire and directly proportional to the strength of the current in the wire.
79. Part 4: This scientist gives his name to the SI unit for electric current.
A: André-Marie **Ampère**

Streak

80. Name up to all six regions that are referred to as contemporary Celtic nations.
- A: **Ireland**
- A: **Scotland**
- A: **Wales**
- A: **Brittany**
- A: **Cornwall**
- A: Isle of **Man**

Set of 3: Musical Forms

83. The exposition, development, and recapitulation are the three main sections of what form, generally making up the first movement of classical era pieces?
A: **sonata**-allegro form
84. What type of piece replaced the minuet and trio third movement of works during the early 1800s and is Italian for "joke"?
A: **scherzo**
85. What form features a repeated principal theme interspersed with many contrasting themes?
A: **rondo**

Set of 3: Also an Airline

86. What former Canadian low-cost airline shares a name with a wild cat?
A: **Lynx** Air
87. A compass heading of 225 degrees gives the name of what airline?
A: **Southwest** Airlines
88. A landform found near the mouth of a river shares its name with what airline?
A: **Delta** Air Lines

12-Part Blitz

89. Languages like Russian and German have what third grammatical gender, besides masculine and feminine?
A: **neuter**
90. Used symbolically in cutting down netting of the hoop, what is the official ladder of NCAA March Madness?
A: **Werner** ladders
91. The Sorites paradox is alternatively known by what name, and involves asking how many individual grains of sand can you remove from the namesake collection until it ceases to be one?
A: **Paradox of the Heap** (accept: **Heap Paradox**)
92. What recurring non-contagious ulcers are commonly attributed to stress or biting the inside of one's mouth?
A: **canker sores**
93. What city gets its name from the three mouths through which the Saint-Maurice River flows into the St. Lawrence River?
A: **Trois-Rivières**
94. What "H"-word refers to having low sodium in the blood, often caused by too much water consumption?
A: **hyponatremia** (accept: **hyponatremic**)
95. The origins of what artistic movement can be traced back to performances by Hugo Ball at Zurich's Cabaret Voltaire?
A: **Dada** (accept: **Dadaism, Dadaist** movement)
96. What name was given to the system set up by Diocletian to resolve the Crisis of the Third Century? This word is now used to refer to any government run by four people.
A: the **Tetrarchy**
97. What two letters do French verbs in the second group all end with?
A: **ir**
98. Which of the seven regions of Teyvat is ruled by Barbatos and is the starting region in *Genshin Impact*?
A: **Mondstadt**
99. What school of philosophy, predominant in the modern English-speaking world, focuses on clear logical arguments and often relates to math and the sciences?
A: **analytical** philosophy
100. What is the name of the Nike logo?
A: Nike **Swoosh**

END OF GAME