



## 2022-23 High School Season Opener (T1) – Pack 8

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# PACK 8

## FIRST QUARTER

### 6-Part Blitz

1. The Spanish word "corazon" refers to which internal organ?  
A: **heart**
2. The chemistry term "redox" is a portmanteau of what two words?  
A: **reduction** AND **oxidation**
3. What three words open *Moby-Dick*?  
A: **Call me Ishmael**
4. What substance was commonly used in pencils before being replaced by graphite?  
A: **lead** (accept: **Pb**)
5. In finance, what does the initialism G.I.C. stand for?  
A: **guaranteed investment certificate**
6. What rapper received acclaim for her 2012 debut single "Two One Two", but has since become notorious for unhinged behaviour and aggressive tweets, such as those targeting Grimes and Elon Musk?  
A: Azealia **Banks**

### Set of 4: Famous Quotes

Given a famous historical quote, name the person who spoke it.

7. That's one small step for a man, one giant leap for mankind.  
A: Neil **Armstrong**
8. Today, I consider myself the luckiest man on the face of the Earth.  
A: Lou **Gehrig**
9. Let us therefore brace ourselves to our duty, and so bear ourselves, that if the British Empire should last for a thousand years, men will still say "This was their finest hour".  
A: Winston **Churchill**
10. I need ammunition, not a ride.  
A: Volodymyr **Zelenskyy**

## Jackpot

11.

Part 1: More than 20 years before the discovery of D.N.A.'s double-helix structure, who proposed that D.N.A. has a triple-helix structure?

Part 2: This scientist created a scale based on bond-energy calculations to determine the electronegativity of elements.

Part 3: Later in life, they advocated consumption of large amounts of vitamin C and nutritional supplements to prevent the common cold, cancer, and other illnesses.

Part 4: Other than Marie Curie, this is the only person to win a Nobel Prize in two different fields, chemistry and peace.

A: Linus **Pauling**

## Duel: China

14. (First desk): What is the highest mountain in China?

A: Mount **Everest**

15. (Second desk): The Analects contain many sayings of what ancient philosopher?

A: **Confucius** (accept: **Kongzi**)

16. (Third desk): Cantonese has six, and Mandarin four, of what linguistic features in which the pitch of a syllable affects its meaning?

A: **tones** (reject: intonations)

17. (Fourth desk): The Ming Dynasty built what massive imperial palace complex in Beijing?

A: **Forbidden City** (prompt on: Imperial City)

18. (First desk): How many time zones does China have?

A: **one**

19. (Second desk): In late 2020, what billionaire disappeared from public view for several months, while his company, Alibaba, was being cracked down on by government regulators?

A: Jack **Ma** (accept: **Ma** Yun)

20. (Third desk): What city in Hubei province was the origin of the COVID-19 outbreak?

A: **Wuhan**

21. (Fourth desk): What Turkic ethnic group has been the target of ethnic cleansing by the Chinese government since 2014?

A: **Uyghurs** ["WEE-gur"]

## 4-Part Blitz

22. What is an adult female horse called?

A: **mare**

23. What two government positions were at the centre of the Australian crisis known as “The Dismissal” and the Canadian “King-Byng Affair”?

A: **Governor General** (prompt on: G.G.) AND **Prime Minister** (prompt on: P.M.)

24. What composer protested Russian censorship with the nationalistic tone poem *Finlandia*?

A: Jean **Sibelius**

25. The scientific study of plants is referred to by what word?

A: **botany**

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## SECOND QUARTER

### Splits: 3-Letter Words & Optics

#### 3-Letter Words

26. What word refers to fish eggs, particularly in a culinary context?

A: **roe**

27. What is the smallest unit of information in information theory?

A: **bit**

28. What word, often grouped with “pitch” and “roll”, refers to the right or left turning motion of an aircraft?

A: **yaw**

29. Also commonly used as a placeholder surname, what is a female deer called?

A: **doe**

#### Optics

30. The index of refraction times the sine of the angle does not change during refraction, according to what law?

A: **Snell's Law**

31. First performed by Thomas Young in 1802, what experiment showed that light could behave as either a wave or a particle?

A: **double slit** experiment (prompt on: slit experiment)

32. What quantity is the inverse of the optical power of a lens, and is symbolized  $f$ ?

A: **focal length**

33. Which colour of visible light has the longest wavelength?

A: **red**

### Set of 3: Crabs

34. In what fictional city is the restaurant called the Krusty Krab?

A: **Bikini Bottom**

35. Name either month someone could have been born in if they were born under the sign of the crab.

A: **June** OR **July**

36. What phylum contains crabs as well as insects?

A: **arthropods** (accept: **Arthropoda**)

### Jackpot

37.

Part 1: Participants in what event formed a hockey team that suffered the worst defeat in Stanley Cup history, when Frank McGee and the Ottawa Silver Seven handed them a 23-2 defeat in the decisive game of the series?

Part 2: A discovery by the Tagish man Skookum Jim prompted this event, which saw most participants arrive by the Skagway - White Pass route.

Part 3: This event was the setting and inspiration for Robert Service's poems *The Shooting of Dan McGrew* and *The Cremation of Sam McGee*, as well as Jack London's novel *The Call of the Wild*.

Part 4: From 1896 to 1899, this mining craze attracted over 100,000 prospectors to places like Dawson City and Whitehorse.

A: **Klondike Gold Rush** (accept: **Yukon Gold Rush**) (prompt on: gold rush, Alaskan Gold Rush)

### Set of 4: Quidditch Matches

40. In an attempt to fix a broken arm following a quidditch match, which Hogwarts professor accidentally removed all of Harry's arm bones in *The Chamber of Secrets*?

A: Professor **Gilderoy Lockhart** (accept either underlined part)

41. What spell did Harry first successfully cast during a quidditch match in his third year, after Malfoy and his cronies stormed the pitch dressed as dementors?

A: **patronus** charm (accept: **expecto patronum**)

42. Name either of the starting seekers during the final of the 1994 Quidditch World Cup, as seen in *The Goblet of Fire*.

A: Viktor Krum (accept either underlined part) OR Aiden Lynch (accept either underlined part)

43. During Harry's first three years at Hogwarts, who captained the Gryffindor Quidditch team?

A: Oliver Wood (accept either underlined part)

### Streaks

44. Out of the six primary and reciprocal trigonometric functions, name up to both whose graphs pass through the origin.

A: sine, tangent

45. They were down to four members after Zayn Malik left in 2015. Give the first or last names of up to all four members of One Direction.

A: Niall Horan, Liam Payne, Harry Styles, Louis Tomlinson (accept either underlined part for each answer)

### 4-Part Blitz

47. The ring finger valve on a trumpet lowers the pitch by how many semitones?

A: 3

48. What quote was first uttered after a performance in Louisiana in 1956, when the promoter needed to quiet the audience, who were screaming for an encore from the singer of "Heartbreak Hotel"?

A: "Elvis has left the Building"

49. The gods Huitzilopochtli ["weet-zee-lop-OCH-tlee"] and Quetzalcoatl ["ket-sal-co-AT-ul"] were worshipped by what civilization?

A: Aztecs

50. The confluence of the Monongahela and Allegheny ["al-egg-AY-nee"] Rivers is found in what major American city?

A: Pittsburgh

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## THIRD QUARTER

### Splits: Approximate History & Drawing

#### Set of 4: Approximate History

51. Within 10 years, when did the United States first take control of the Philippines?

A: **1898** (accept answers from **1888** to **1908**, inclusive) (prompt if only last two digits given)

52. Within 10 years, when was the Official Languages Act adopted in Canada, making federal government services available in both English and French?

A: **1969** (accept answers from **1959** to **1979**, inclusive) (prompt if only last two digits given)

53. Within 30 years, when did Genghis Khan unite the Mongol lands?

A: **1206** (accept answers from **1176** to **1236**, inclusive) (prompt if only last two digits given)

54. Within 5 years, when was *Homage to Catalonia* by George Orwell published?

A: **1938** (accept answers from **1933** to **1943**, inclusive) (prompt if only last two digits given)

#### Drawing

55. What drawing technique beginning with "S" uses many small dots to shade or colour a picture?

A: **stippling** (accept word forms)

56. Name any two of the three letters used to grade drawing pencils.

A: (any two of): **H** OR **B** OR **F**

57. What kind of products is the Japanese company Wacom best known for producing?

A: graphic/drawing **tablet** (prompt on: electronics)

58. What American website brands itself as the world's largest art community, and refers to user-uploaded drawings as "deviations"?

A: **DeviantArt.com**

## Double Jumps

59. What class of animals includes harvestmen, ticks, scorpions, and spiders?

A: **arachnids** (accept: **arachnida**)

60. Other than the black widow, what is the only spider native to North America that has medically significant venom?

A: **brown recluse** spider (accept: **violin** spider) (prompt on: **recluse** spider)

61. Who were the parents of Tethys, Oceanus, Rhea, and Cronus, as well as the cyclops and the other eight titans?

A: **Gaia** AND **Uranus**

62. Their three gigantic children named Cottus, Briareus, and Gyges are commonly grouped together under what numerical name?

A: **Hundred-Handed** Ones (accept: **Hecatoncheires**)

63. After John F. Kennedy's assassination, who became the American president?

A: **Lyndon** Baines **Johnson** (accept: **L.B.J.**) (prompt on: **Johnson**)

64. What name was given to the series of progressive domestic policies Johnson enacted, such as Medicare and Medicaid?

A: **Great Society**

65. *On the Brink*, *In the Lab*, and *State of Emergency* are all expansions to what board game, in which players work together to cure diseases that have broken out across the world?

A: **Pandemic**

66. What city do all players start in in a game of *Pandemic*?

A: **Atlanta**

## Set of 3: In the Courthouse

67. What "P"-word refers to the party who initiates a lawsuit against a defendant?

A: **plaintiff**

68. The head juror is better known by what term?

A: **foreperson** (accept: **foreman**, **forewoman**)

69. What term refers to the defendant's initial assertion in response to a criminal charge, which in Canada must be either "guilty" or "not guilty"?

A: **plea** (accept: **pleading**)



## Linked Set of 6

70. Who holds the N.F.L.'s single-season passer rating record and has won M.V.P. Awards in 2011, 2014, 2020, and 2021, all with the Green Bay Packers?

A: Aaron **Rodgers**

71. What children's TV show was hosted by Fred Rogers for over three decades?

A: **Mister Rogers' Neighborhood**

72. According to "Mending Wall", a poem by Robert Frost, what make good neighbours?

A: good **fences**

73. What fictional character tricked his friends into painting a fence for him by making them pay him to do it, which convinced them that it was fun?

A: **Tom Sawyer** (accept either underlined part)

74. What rock band released the 1981 song "Tom Sawyer"?

A: **Rush**

75. What genre of video games features strategies such as booming, turtling and rushing?

A: **real-time strategy** (accept: **R.T.S.**)

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## FOURTH QUARTER

### 4-Part Blitz

76. What prefix has come to mean "done by a machine", but originally meant "by itself"?

A: **auto**

77. What wealthy financier allegedly committed suicide in August 2019 while awaiting trial for running a sex trafficking ring?

A: Jeffrey **Epstein**

78. What tennis player won 37 straight matches in the first half of 2022, including her second French Open victory, and became world number one?

A: Iga **Swiatek** ["SHFYON-tek"]

79. If music is being played in cut time, how many beats are there in a bar?

A: **two**

## Deep Dive

80. 1974's *Sugarland Express* was the debut film by what director, who later directed the first three *Indiana Jones* movies?

A: Steven **Spielberg**

The remaining questions deal with Steven Spielberg.

81. Which Spielberg movie is considered the first summer blockbuster, and began the practice of studios massively advertising movies and releasing them in all theatres at once?

A: **Jaws**

82. The island of Isla Nublar is home to the titular theme park in what Spielberg film, which has spawned five sequels?

A: **Jurassic Park**

83. Name either of the two films for which Spielberg won the Academy Award for Best Director, both of which were released in the 1990s and set during World War II.

A: **Schindler's List** OR **Saving Private Ryan**

84. What movie, his fourth collaboration with writing partner Tony Kushner, is a fictionalized account of Spielberg's own childhood and premiered at the Toronto International Film Festival in 2022?

A: *The* **Fabelmans**

## Set of 4: Capital Cities

85. Tempe, Mesa, and Glendale are part of which American state capital's metropolitan area?

A: **Phoenix**

86. In 1991, what metropolis was replaced by Abuja as the capital of Nigeria?

A: **Lagos**

87. Which world capital's name translates to "Northern Capital" in its native language?

A: **Beijing**

88. In August 2024, what city will be replaced by Nusantara as the capital of Indonesia?

A: **Jakarta**

## 12-Part Blitz

89. What instrument measures the current in a circuit?

A: **ammeter** (accept: **galvanometer**)

90. What two-word Latin phrase means "remember you will die"?

- A: **memento mori**
91. A pair and a three of a kind together make up what poker hand?  
A: **full house**
92. What word refers to a rectangular rhombus?  
A: **square**
93. What classification applies to individuals whose B.M.I. is between 25 and 29.9?  
A: **overweight**
94. The repeated sequence T-T-A-G-G-G is found in what part of the ends of human chromosomes, whose shortening is a driver of aging?  
A: **telomeres**
95. What city was home to a library that was accidentally burned by Julius Caesar in 48 B.C.?  
A: **Alexandria**
96. Which character's glasses are used to start fires in *Lord of the Flies*?  
A: **Piggy**
97. What element and carbon make up the polymer teflon?  
A: **fluorine** (accept: **F**)
98. In what year was Quebec City founded?  
A: **1608**
99. What is the name of the purple Teletubby?  
A: **Tinky Winky**
100. The gnu ["noo"] is another name for what antelope from southern Africa?  
A: **wildebeest**