



2024 Summer Open (T1) – Pack 2

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PACK 2

5-Part Blitz

1. In what class of reaction is water used to break down a chemical compound?
A: **hydrolysis** reaction
2. What mnemonic is used to remember which verbs are conjugated with "être" in the passé composé in French?
A: **Dr. and Mrs. P Vandertramp**
3. Early followers of what religion used the ichthys, a symbol made of two overlapping curves meant to represent a fish?
A: **Christianity** (accept: **Catholicism**)
4. What early French Impressionist is known for his paintings of racehorses and ballet dancers?
A: Edgar **Degas**
5. Weber, Dyna-Glo, and Broil King are all companies that make what products?
A: **barbecues** (accept: **grills**)

Double Jumps

6. What scientist names the inverse square law for electrostatics and the SI unit for electric charge?
A: Charles-Augustin de **Coulomb**
7. What other constant, also known as the electric constant, is equal to 1 over the quantity four pi times Coulomb's constant?
A: **vacuum permittivity** (accept: **permittivity of free space**) (prompt on: permittivity)
8. The first section of *Journey to the West* tells the story of what monkey king?
A: **Sun Wukong** (accept either bolded part)
9. What companion of Sun Wukong was partially turned into a pig as punishment for sexually harassing Chang'e, goddess of the moon?
A: **Zhu Bajie** (accept: **Pigsy, Zhu Wuneng**)

Set of 4: Newspapers

10. What modern Canadian newspaper has its roots in older papers founded by John A. Macdonald and George Brown?
A: *The **Globe and Mail***
11. Named for its layout on the page, a journalist presents their point of view in what kind of recurring article?
A: **column**
12. Most prestigious newspapers are published using what format, which is much larger than the tabloid format?
A: **broadsheet**
13. If a newspaper does not have a bureau in a given city, it would likely use what kind of service to get short, commentary-free reports about it? Examples include Bloomberg News, Reuters, and the Associated Press.
A: **news agency** (accept: **newswire, wire service**)

Jackpot

14. Part 1: Slavoj Zizek ["SLAV-oy ZHEE-zhek"] once drew parallels between the themes of what two works, saying "we do not only escape into a fantasy to avoid confronting reality, we also escape into reality to avoid the devastating truth about the futility of our fantasies"?
15. Part 2: Mitsuki Takahata, among others, voiced extreme displeasure in response to several images combining elements of these two works.
16. Part 3: A TikTok posted by Barnes and Noble showed a "starter pack" for these two works that included a stress ball "for the threat of imminent death" and a date counter "to count down until July 21st".
17. Part 4: The title character of one of these works abruptly asks "Do you guys ever think about dying?", and the title character of the other declares "Now I am become death, the destroyer of worlds".
A: **Barbie** AND **Oppenheimer**
(accept: **Barbenheimer**)

Set of 3: Job-Hunting

18. What does the abbreviation CV stand for?
A: **curriculum vitae** (accept: **curricula vitae**)
19. What system with a three-letter abbreviation is used by companies to electronically process job applications by scanning resumes?
A: **ATS** (accept: **applicant tracking** system, **applicant tracking** software)
20. Two green "L" shapes form the logo of what website, where employees can anonymously review their employers?
A: **Glassdoor**

5-Part Blitz

21. What novel by Koshun Takami gives its name to an exceptionally popular genre of video games that includes PUB G and Fortnite?
A: **Battle Royale**
22. What is the chemical formula for cubane?
A: **C₈H₈**
23. In the 1950s, what company created the Hula Hoop and the Frisbee?
A: **Wham-O**
24. A radio psychiatrist living in Seattle is the main character of what TV show, a spinoff of *Cheers*?
A: **Frasier**
25. What two English words is "Pokemon" short for?
A: **Pocket Monsters**

END OF FIRST QUARTER

SECOND QUARTER

Splits: The Solar System & NBA Free Agency

The Solar System

26. Because they contain many compounds like methane, water, and ammonia, what term refers collectively to Uranus and Neptune?
A: **ice giants**
27. Which planet is the least dense, less dense than water?
A: **Saturn**

28. What is the most volcanically active body in the Solar System, because of strong tidal forces caused by its location between Jupiter and the other three Galilean moons?
A: **Io**
29. What is the densest body in the Solar System, and the sixth-most massive?
A: The **Earth**

NBA Free Agency

30. Whose 5-year, 304-million-dollar contract extension, signed in July 2023, is the largest contract in NBA history?
A: Jaylen **Brown**
31. The rule that allows teams to exceed the salary cap to re-sign their own players is named after what Celtics star of the 1980s?
A: Larry **Bird**
32. What term refers to a manoeuvre in which a player agrees to a contract with his former team in order to be immediately dealt to another team, so that he can receive a higher salary?
A: **sign-and-trade**
33. What was the name of the ESPN special on which LeBron James announced he was "taking his talents to South Beach" and signing with the Miami Heat in 2010?
A: "The **Decision**"

Double Jumps

34. What is the lowest common multiple of 12 and 30?
A: **60**
35. You will have 5 seconds. What is the lowest common multiple of 14, 15, and 18?
A: **630**
36. What Sanskrit name is given to the endless cycle of life, death, and rebirth in Buddhism?
A: **samsara**
37. What Sanskrit word, translating roughly as "emptiness", is used to teach Mahayana Buddhists that there is no fixed and stable self or universe?
A: **sunyata**

Set of 4

38. What city is the setting of four novels, beginning with *My Brilliant Friend*, by contemporary author Elena Ferrante?
A: **Naples** (accept: **Napoli**)
39. Alongside the Phlegraean islands and Capri, what Italian administrative region is Naples found in?
A: **Campania**
40. What three flavours make up Neapolitan ice cream?
A: **chocolate** AND **vanilla** AND **strawberry**
41. The song "Funiculi Funicula" concerns a trip up what active volcano near the city, which is best known for destroying Pompeii in AD 79?
A: Mount **Vesuvius**

Set of 4: Aliens Among Us

42. In what New Mexico town was debris from a crashed weather balloon recovered, giving rise to several conspiracies about aliens?
A: **Roswell**
43. UFO witnesses are threatened into silence by what purported group of pseudo-government agents?
A: The **Men in Black** (accept: **MIB**)
44. World War II fighter pilots gave what nickname to UFOs and mysterious aerial phenomena, which is now the name of a band founded by Dave Grohl?
A: **Foo Fighters**
45. What turn-based tactical series sees the player attempt to defend against an alien invasion, and later lead a resistance movement against an alien-occupied Earth?
A: **XCOM**

5-Part Blitz

46. What is the only element that usually has more protons than neutrons in its nucleus?
A: **hydrogen** (accept: **H**)
47. Giving its name to a web browser, what is the Latin plural of the word "opus"?
A: **opera**
48. A man cuts open a woman's eye with a razor in what experimental short film by Luis Bunuel and Salvador Dali?
A: *Un **Chien Andalou***
49. What scientist used chain-terminating dideoxynucleotides to develop a namesake method of DNA sequencing?
A: Frederick **Sanger**
50. What website that allows fans to purchase personalized video messages from celebrities shares its name with a term for a guest appearance from a well-known celebrity?
A: **Cameo**

END OF FIRST HALF

THIRD QUARTER

Splits: Spelling & Opera

Spelling

51. The last name of the actor who starred in *True Lies*, *Total Recall*, and *The Terminator*: spell Schwarzenegger.
A: **S-C-H-W-A-R-Z-E-N-E-G-G-E-R**
52. It is a mountain pass that was the site of a famous battle during the Greco-Persian wars: spell Thermopylae.
A: **T-H-E-R-M-O-P-Y-L-A-E**
53. In a military context, it means the observation of a region to locate an enemy or ascertain strategic features: spell reconnaissance.
A: **R-E-C-O-N-N-A-I-S-S-A-N-C-E**
54. The last name of the swingman who won the 2015 NBA Finals MVP Award while with the Warriors: spell Iguodala ["igg-wod-ALL-ah"].
A: **I-G-U-O-D-A-L-A**

Opera

55. What Italian word refers to the text of an opera?
A: **libretto**
56. What Italian composer wrote many operas based on Shakespeare plays, such as *Macbeth*, *Falstaff*, and *Othello*?
A: Giuseppe **Verdi**
57. Name either of the characters who sing the "Au Fond Du Temple Saint" duet in George Bizet's *The Pearl Fishers*.
A: **Nadir** OR **Zurga**
58. What composer wrote the aria "When I am Laid In Earth", commonly known as Dido's Lament, in his opera *Dido and Aeneas*?
A: Henry **Purcell**

Double Jumps

59. The Rhone, Po, and Rhine Rivers all rise in what mountain range?
A: **Alps** (accept: **Alpine** Mountains)
60. In 1991, two German hikers in the Alps discovered what naturally preserved mummy from the 3000s BC, also called the Iceman?
A: **Otzi**
61. Who worked with her then-husband Mutt Lange ["lang"] to record the hits "You're Still the One", "That Don't Impress Me Much", and "Man! I Feel Like a Woman!"?
A: Shania **Twain**
62. "Man! I Feel Like a Woman!" and the other aforementioned songs were released on what legendary 1997 album, still the all-time best-selling country album as well as the best-selling album by a Canadian?
A: **Come On Over**

Set of 3: Pasta

63. What Italian term refers to pasta that generally contains egg and is not dried before being cooked?
A: pasta **fresca**
64. What variety of pasta resembles a bowtie?
A: **farfalle**
65. In the song "If I Had a Million Dollars", the Barenaked Ladies agree that they would eat more of what brand of boxed pasta?
A: **Kraft Dinner** (accept: **KD**) (prompt on: **Kraft**)

Set of 4: Changing Capitals

66. Until Tokugawa Ieyasu took over as shogun in 1600 and moved the capital to Edo, what city was the de facto capital of Japan?
A: **Kyoto** (accept: **Heian-kyo**)
67. Civil servants are currently moving into what planned city in eastern Borneo, which is replacing the sinking Jakarta as Indonesia's capital?
A: **Nusantara**
68. What was Brazil's capital until Brasilia was built?
A: **Rio de Janeiro** (prompt on: **Rio**)
69. The monoliths known as the Aso Rock and the Zuma Rock can be found in what planned city that replaced Lagos as Nigeria's capital in 1991?
A: **Abuja**

Linked Set of 6

70. What time zone contains Fresno, Las Vegas, Olympia, and Seattle?
A: **Pacific** Standard/Daylight Time (accept: **PST, PDT, Pacific** time zone)
71. What Liberal Party leader became Canada's prime minister following the Pacific Scandal?
A: Alexander **Mackenzie**
72. What sea of the Arctic Ocean does the Mackenzie River flow into?
A: **Beaufort** Sea
73. What is measured by the Beaufort Scale?
A: **wind** strength/speed/conditions (prompt on: storms)
74. What American city is nicknamed the "Windy City"?
A: **Chicago**
75. What department store company originally gave its name to the tallest building in Chicago?
A: **Sears**

END OF THIRD QUARTER

FOURTH QUARTER

Jackpot

76. Part 1: To weaken traditional tribal ties, who created a new aristocracy with the "white bone" at the top and the "black bone" just below, while re-organizing society into units of 10,000 households?
77. Part 2: Much of our knowledge about this person's life comes from a so-called "Golden Book", as well as from a "Secret History" of their people.
78. Part 3: This leader besieged and captured the city of Bukhara and then massacred many of its inhabitants.
79. Part 4: This Tengri emperor conquered the Jin with the help of his general Subutai. This grandfather of Kublai united the Mongol tribes and conquered much of Asia.
A: **Genghis Khan** ["CHIN-giss HONN"] (reject partial answers) (accept: **Temujin**)

Streak

80. Name up to all four of the cities that host the Big Four Fashion Weeks.
A: **New York** City (accept: **NYC**)
A: **Paris**
A: **London**
A: **Milan**

Set of 4: Doctors

82. The first mobile blood transfusion system was developed during the Spanish Civil War by what doctor, who died serving with Mao's forces in the Chinese Civil War?
A: Norman **Bethune**
83. What English doctor is considered the father of modern epidemiology for his use of mapping and statistics to determine the origins of cholera outbreaks in London?
A: John **Snow**
84. Snow's work helped future scientists develop what theory, which replaced the idea that miasma, or "bad air", was how diseases were spread?
A: **germ theory** of disease

85. What winner of the Nobel Prize for Medicine officially shared the prize only with John Macleod [“muck-LOUD”], but then shared his winnings with his colleague Charles Best?
A: Frederick **Banting**

Set of 3: Demons

86. What demon of German folklore is featured in *Faust*?
A: **Mephistopheles**
87. Who raps about “pulling up in a Demon” in his song “Zeze”, featuring Travis Scott and Offset?
A: **Kodak Black** (accept: Bill Kahan **Kapri**, Dieuson **Octave**)
88. Van Diemen's land is now known by what name?
A: **Tasmania**

12-Part Blitz

89. What novel features the characters Diana Rivers and Edward Rochester, the master of Thornfield Hall?
A: **Jane Eyre**
90. How many pockets does a pool table have?
A: **six**
91. Found in the Canadian Arctic, what is the world's largest uninhabited island?
A: **Devon** Island
92. What two cities are the endpoints of the Trans-Siberian Railway?
A: **Moscow** AND **Vladivostok**
93. On what legal drama was Rachel Zane played by Meghan Markle?
A: **Suits**
94. What British humourist penned the “My Man Jeeves” series of short stories?
A: P.G. **Wodehouse**
95. What astronomer died after etiquette prevented him from leaving a banquet to relieve himself, causing his bladder to fail? After having part of his nose sliced off in a duel, he wore a brass nose for most of his life.
A: Tycho **Brahe**
96. A footwarmer and a wall tile with a depiction of Cupid can be found in the bottom-right corner of what Johannes Vermeer painting, depicting a woman pouring a liquid indoors?
A: *The Milkmaid* (accept: *The Kitchen Maid*)
97. Pregnancies are often divided into three phases known as what?
A: **trimesters**
98. What American author wrote the novels *Song of Solomon*, *The Bluest Eye*, and *Beloved*?
A: Toni **Morrison**
99. Gwendoline Christie portrays principal Larissa Weems in what comedy horror series?
A: **Wednesday**
100. What National Party leader is the prime minister of New Zealand?
A: Christopher **Luxon**

END OF GAME