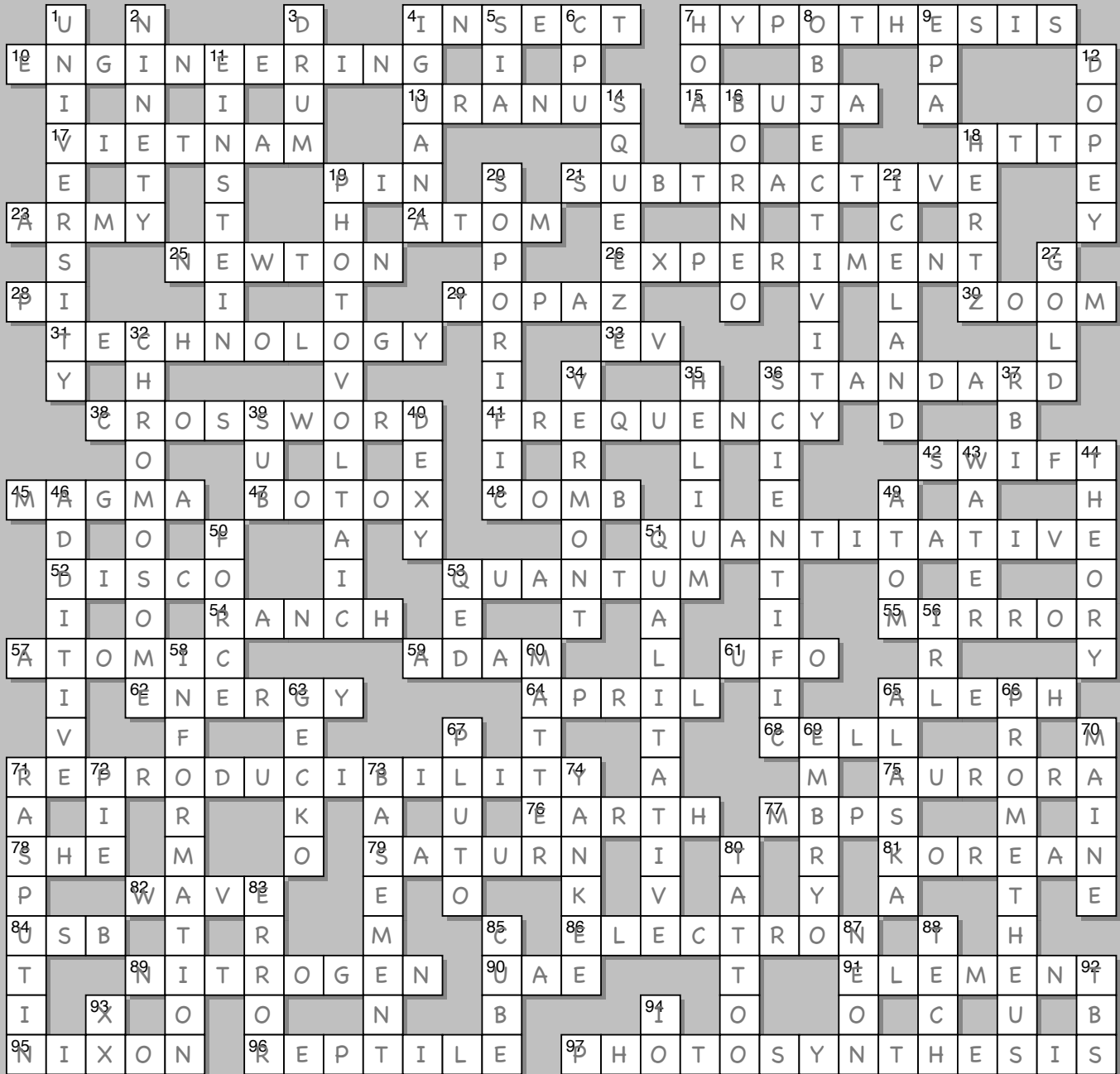


# 1. Science of Physics - Name \_\_\_\_\_ Date/ID \_\_\_\_\_



## Across

4. small arthropod with 6 legs and 1 or 2 pairs of wings [INSECT]
7. tentative explanation that may be tested and verified or revised based on the outcome of observations and experiments [HYPOTHESIS]
10. creative application of science to design technologies that solve problems or meet needs [ENGINEERING]
13. eighth planet; Greek god that personified the sky [URANUS]
15. capital of Nigeria [ABUJA]
17. southeast Asian nation; capital Hanoi [VIETNAM]
18. hypertext transfer protocol [HTTP]
19. personal identification number [PIN]

## Down

1. a high-level educational institution in which students study for degrees and academic research is done [UNIVERSITY]
2. the number of degrees in a right angle [NINETY]
3. percussion instrument [DRUM]
4. tropical lizard with a spiny crest along the back and greenish coloration [IGUANA]
5. "Chandelier" and "Unstoppable" singer [SIA]
6. central processing unit [CPU]
7. home owners association [HOA]
8. description only of what has actually occurred without opinion, interpretation, or exaggeration [OBJECTIVITY]
9. environmental protection agency [EPA]

## Across

21. \_?\_ primary colors (CMYK): three colors of pigments (cyan, magenta, and yellow) that absorb light and, when mixed in various proportions, can reflect any color. [SUBTRACTIVE]
23. branch of the military devoted to ground combat [ARMY]
24. smallest particle of an element that can exist in isolation [ATOM]
25. unit of measure for force [NEWTON]
26. controlled situation set up specifically to observe what happens under a well-defined set of circumstances [EXPERIMENT]
28.  $\pi$  [PI]
29. November birthstone [TOPAZ]
30. video conferencing service that became prominent during COVID lockdowns [ZOOM]
31. designed world, including all inventions, devices, processes, and products developed by humans [TECHNOLOGY]
33. electric vehicle [EV]
36. \_?\_ deviation: the average deviation of all the data points away from the average value of the whole set of data points [STANDARD]
38. the kind of puzzle you're working on right now [CROSSWORD]
41. rate at which a cyclic behavior repeats [FREQUENCY]
42. The Tortured Poets Department singer Taylor [SWIFT]
45. underground molten rock [MAGMA]
47. botulinum toxin (used in cosmetic surgery) [BOTOX]
48. hair grooming device [COMB]
51. description or explanation that involves or predicts numerical values [QUANTITATIVE]
52. popular 1970s dance music [DISCO]
53. \_?\_ physics: field of science that explains physical phenomena at atomic scales [QUANTUM]
54. cattle farm [RANCH]
55. reflecting surface [MIRROR]
57. \_?\_ number: the number of protons in an atom [ATOMIC]
59. first man of the Christian Bible, partner of Eve [ADAM]
61. unidentified flying object [UFO]
62. quantity that causes matter to change and mediates how much change occurs [ENERGY]
64. fourth month [APRIL]
65. first letter of the Hebrew alphabet [ALEPH]
68. The smallest fundamental unit of structure and function in living things [CELL]
71. ability to obtain the same results for experiments or observations by doing the same experiment or making the same observation in the same way [REPRODUCIBILITY]
75. northern lights are the \_?\_ Borealis [AURORA]
76. home planet [EARTH]
77. megabits per second [MBPS]
78. pronoun for females [SHE]
79. ringed planet [SATURN]
81. Blackpink and BTS are prominent recording artists of \_?\_ popular music [KOREAN]
82. oscillation that travels; a traveling form of energy [WAVE]
84. universal serial bus (yet available in many types) [USB]
86. A negatively charged particle that resides outside of the nucleus; lacks functional mass [ELECTRON]
89. makes up more than 75% of Earth's atmosphere [NITROGEN]
90. United Arab Emirates [UAE]
91. an atom is the smallest constituent of a/n \_?\_ [ELEMENT]
95. US President associated with Watergate [NIXON]

## Down

11. It was through a combination of logic and imagination that \_?\_ discovered that time and space are connected [EINSTEIN]
12. youngest of Snow White's dwarf friends [DOPEY]
14. how to get juice from an orange; 1980s "Tempted" band [SQUEEZE]
16. third largest island on the planet; Indonesian and Malaysian [BORNEO]
18. unit of measure for frequency [HERTZ]
19. \_?\_ cell: device that converts energy from the Sun's light into electricity [PHOTOVOLTAIC]
20. sleep-inducing [SOPORIFIC]
22. island nation dominated by volcanoes and glaciers [ICELAND]
27. not all that glitters is \_?\_ [GOLD]
32. Structure within the nucleus that comprises chromatin that contains DNA, the hereditary material [CHROMOSOME]
34. Green Mountain State [VERMONT]
35. balloon gas [HELIUM]
36. \_?\_ method: rigorous method of developing and testing knowledge by comparing hypotheses against objective observational evidence [SCIENTIFIC]
37. run batted in [RBI]
39. long sandwich; underwater vessel [SUB]
40. \_?\_'s Midnight Runners had a hit with 1982's "Come On Eileen" [DEXY]
43. H<sub>2</sub>O [WATER]
44. well-verified set of explanations that typically are supported by a large body of scientific evidence [THEORY]
46. \_?\_ primary colors (RGB): three colors (red, green, and blue) that, when added together in various combinations, can create any other color [ADDITIVE]
49. smallest particle of an element that can exist in isolation [ATOM]
50. action on a body that causes change in motion [FORCE]
51. description or explanation that does not involve or predict numerical values [QUALITATIVE]
53. quad erat demonstrandum; quantum electrodynamics [QED]
56. they were friends online, but had never met \_?\_ [IRL]
58. describes how matter and energy are arranged in time and space [INFORMATION]
60. physical substance that has mass and takes up space [MATTER]
63. spokes-animal for GEICO insurance [GECKO]
65. Last Frontier State [ALASKA]
66. in Greek mythology, he stole fire from the gods [PROMETHEUS]
67. ninth planet from 1930 to 2006 [PLUTO]
69. an unborn or unhatched offspring in the process of development [EMBRYO]
70. Augusta is the capital of \_?\_ [MAINE]
71. Anastasia villain Grigori [RASPUTIN]
72. circular chart used to represent data; blueberry, pecan, key lime [PIE]
73. bottom floor of a building (partially or completely underground) [BASEMENT]
74. Y in the NATO phonetic alphabet; \_?\_ Doodle Dandy [YANKEE]
80. skin ink [TATTOO]
83. the unavoidable difference between a real measurement and the unknown true value of the quantity being measured [ERROR]
85. 3-D shape contained by six equal squares [CUBE]

## Across

96. cold-blooded vertebrate with dry scaly skin [REPTILE]  
97. the process by which green plants use sunlight to  
synthesize nutrients from carbon dioxide and water  
[PHOTOSYNTHESIS]

## Down

87. gas made to glow in signs [NEON]  
88. smart watches are an example of high-\_\_?\_\_ wearables  
[TECH]  
92. Turner Broadcast Network [TBS]  
93. Roman 20 [XX]  
94. volcanic moon orbiting Jupiter [IO]