

Elements

Part 1: Elements of Truth

Answer these questions about the periodic table in real life!

1. The World War II atomic bombs Little Boy and Fat Man were fuelled by different elements. Respectively, which elements fuelled each?
2. Holmium, thulium, and gadolinium are three of the seven elements that were discovered in a small village in Sweden. Name the other four, which are all named for the village.
3. Two elements on the periodic table before bismuth have no stable isotopes. Name both.
4. Alexander Litvinenko died due to acute radiation poisoning due to consumption of what radioactive element?
5. Scientist Glenn T. Seaborg chose what element's chemical symbol as a joke which went unnoticed?
6. The most common element in Earth's crust is oxygen. What's the second-most common?
7. They Might Be Giants has a song called "Meet The Elements," which claims that every living thing is mostly made of four elements. What are those elements?
8. Theodore Gray followed up his book *The Elements: A Visual Exploration of Every Atom in the Universe* with what book, a logical next step?
9. Which two elements are liquids at room temperature?
10. On the Pauling scale, out of all elements measured, fluorine is the most electronegative. What is the least electronegative?
11. Hennig Brand was the first individual to chemically discover an element after his urine-boiling procedure resulted in what?
12. Two elements that are not metals end in "ium." Name both.
13. Two elements are named after individuals born in the United States. Name both.
14. What two elements are named after a mortal father and daughter from Greek mythology?

Speaking of name origins, many elements derive their names from colors. Name the element named for...

15. Deep red
16. Rose
17. Yellow-green
18. Sky blue
19. Indigo
20. Violet
21. The mere concept of color

Part 2: Elements of Fiction

Answer these questions about the periodic table in pop culture!

22. Noted New York architect and ghost enthusiast Ivo Shandor famously constructed an apartment complex using cold-riveted girders with cores of what element?
23. In *Galaxy Quest*, the *NSEA Protector II* is powered by spheres of what element?

24. In the film *Evolution*, since the aliens are nitrogen-based lifeforms, what element is poisonous to them?
25. Argon extracts oil from teenagers, take-out food, and Italian combs in a segment from what 1977 movie?
26. The Heat Seeker is a heat-seeking round used by Judge Dredd propelled by the 886 isotope of what noble gas, about 22 times heavier than its normal atomic mass?
27. Doctor Phosphorus is a minor character in what 2017 film that includes characters from *Jurassic Park*, *Doctor Who*, and *The Lord of the Rings*, among other franchises?
28. The 2004 film *The Calcium Kid* stars Orlando Bloom as Jimmy Connelly, who must fight the middleweight champion of the world. But Connelly isn't a boxer - what's his job?
29. Buddy Ebsen was originally slated to play the Tin Man in *The Wizard of Oz* before he had an adverse reaction to what element present in the makeup?
30. The water contamination in *Erin Brockovich* is caused by the hexavalent variety of what transition metal?
31. The 2013 Academy Award for Best Live Action Short Film went to what Danish work named after an incredibly light element?
32. Adrienne Thomas's head is shattered after being submerged in liquid nitrogen by what cinematic maniac?
33. *Honey, We Shrunk Ourselves* features Mitch, a character with a potassium deficiency. What foodstuff is used to get him the potassium he needs?
34. Though the MythBusters busted it, the pilot of *MacGyver* shows him blowing up a wall by reacting water and what?
35. In *Supernatural*, what element denotes locations where demonic manifestation has occurred?
36. Magnesium-J and Hydrogen-F are two residents of Alphabestrium, a planet seen on what TV show?
37. Tom Lehrer's "The Elements" is sung to the tune of what showtune?
38. Seattle high schooler Jessica Lee's senior quote was, "Fluorine uranium carbon potassium bismuth technetium helium sulfur germanium thulium oxygen neon yttrium." This is a reference to a song by what hip hop group?

Speaking of music and elements, name the song with an element in a title given a snippet of lyrics. Also name the artist!

39. "I'm so happy, cause today I found my friends. They're in my head."
40. "You get too much, you get too high. Not enough and you're gonna die."
41. "Baby, when they look up at the sky, we'll be shooting stars just passing by."
42. "I'm bulletproof, nothing to lose. Fire away, fire away."
43. "Is he alive or dead? Has he thoughts within his head?"
44. "If I go crazy, then will you still call me Superman?"
45. "Rose and Valerie, screaming from the gallery, say he must go free."
46. "I'm a reasonable man. Get off my case. Get off my case. Get off my case."
47. "Cutie the bomb. Met her at a beauty salon with a baby Louis Vuitton under her underarm."

48. "The impression you sell passes in and out like a scent. But the long face that you see comes from living close to your fears."

Part 3: Fictional Elements of Fiction

Answer these questions about fake elements in pop culture!

49. The element carmot was allegedly a key factor in the creation of what mythological item?
50. For his discovery of administratium, Thomas Kyle became one of three fictional people to win what?
51. In *Avatar*, the humans are trying to mine Pandora for what fake element, which is a superconductor at room temperature?
52. Randomonium turns monster costumes into actual monsters. This is a key component of the Evil Masked Figure's plan in what 2004 live action sequel?
53. What video game's "Special Delivery" mode has players attempting to place a briefcase full of australium inside a rocket ship?
54. Element 115, also known as divinium, was used to create ray guns, Perk-a-Cola machines, and zombies in what video game franchise?
55. An unrelated element 115 is one of the meteorite artifacts that powers alien spacecraft and is kept by the U.S. government before being reclaimed by what female action video game character?
56. Another unrelated element 115, also known as elerium, powers alien technology in the UFO Defense and Enemy Unknown installments in what video game franchise?
57. Eridium appears on Pandora after the Vault Hunters open the Vault at the end of what video game?
58. Cortextrulestheworldium is discovered by the evil Dr. Cortex at the end of a racing game named after what character?
59. What is the name of the element discovered by John I.Q. Nerdelbaum Frink, Jr.?
60. Give either acceptable answer to the question, "What is the atomic weight of bolognium?"
61. In 3001, a jumbonium atom is used in the tiara for the Miss Universe contest according to what TV show?
62. Star Trek's dilithium (also known as radan) fuels what component of a starship?
63. After its discovery, the only known piece of bombastium, the rarest element in existence, was acquired by what Disney character?
64. Atomic number 104, pizzazium infinonite is the rarest element, yet it can still be found in the Superduper Mega Superstore in Danville. This is according to what animated Disney TV show?
65. Appearing in "It's a Spongebob Christmas!", jerktonium is an element discovered and used for nefarious purposes by what character?
66. Earth, water, fire, and wind are four of the five elements required to summon Captain Planet. What is the fifth?
67. Earth, water, fire, and wind are four of the standard five elements in *Discworld*. What is the fifth?

68. Speaking of *Discworld*, what is the most common element on the disc, not listed in the aforementioned five? It ensures everything runs properly as a story.
69. Tony Stark creates a new element to replace the palladium in his arc reactor in the *Iron Man* comics. What name does he try to trademark it under, only to run into too many legal issues?
70. Captain Marvel Adventures #100 introduced three new elements to Earth-S. One is named after the title character - what is it?
71. There are many different varieties of kryptonite in the Superman universe. What does anti-kryptonite do to super-powered Kryptonians?

Part 4: Elements of Conversation

Provide the phrase containing an element.

72. In case of air emergency, secure yours first before helping others.
73. The three things CLR removes.
74. Sci Fi Channel miniseries starring Zooey Deschanel and set in the O.Z.
75. Debbie Harry, for one, or a song performed by Blondie.
76. Editor-in-chief of FiveThirtyEight.
77. Ivy Mike.
78. Company that produces Mathematica.
79. Product made by Reynolds Group Holdings since 1926.
80. Monopoly token retired in 2013.
81. 2001 Barbara Ehrenreich book.
82. Zoroastrian singer born in the Sultanate of Zanzibar.
83. What "gets switched to overload" in "I Don't Like Mondays" by The Boomtown Rats.
84. Metaphorically doomed item the MythBusters proved is viable.
85. Jeremy Piven's *Entourage* character.
86. Colorado ski resort used as a filming location for *Dumb and Dumber*.
87. 2016 movie starring Elle Fanning and Keanu Reeves.

Part 5: Not THOSE Elements!

Answer these questions that are barking up the wrong tree.

88. "ELEMENT." is a song by Kendrick Lamar released on what album, where all the song titles are stylized in all caps ending in periods?
89. What singer was supposed to portray Ruby Rhod in *The Fifth Element* but turned it down because the outfit was too effeminate and he couldn't find time during his tour?
90. What actor portrays Sherlock Holmes on the show *Elementary*?
91. In Paracelsus's *tria prima*, there are three items, two of which are elements. What is the third, which is not an element?
92. Plato associated the classical elements earth, wind, fire, and air to platonic solids. Which platonic solid was not associated with an element?
93. The band LMNT hit #1 on the Radio Disney charts for what song named after a Shakespeare character?

Part 6: *The Elements of Style*

Part 6 of Strunk and White's *The Elements of Style* is entitled "Words Often Misspelled." Given the definition of a word on that list and the number of letters in it, name the word. For this section, spelling counts.

94. Funny, not an arm bone (8 letters).
95. Procedure famously undergone by Susanna and Figaro (8 letters).
96. Cher's most recent US Billboard #1 (7 letters).
97. A common nickname for MDMA (7 letters).
98. Comedy minus time (7 letters).
99. Name shared by five kings of Macedon and one Duke of Edinburgh (6 letters).
100. Also or very (3 letters).