

Periodic table of elements Trivia: Questions, Answers, and Facts
Printable Trivia Pack

Periodic table of elements trivia explores the chart that organizes all known chemical elements by their properties and atomic structure. A cornerstone of chemistry and a familiar tool across the sciences, the periodic table has shaped how scientists understand matter, predict behavior, and classify discoveries.

HARD PERIODIC TABLE OF ELEMENTS TRIVIA

1. In what year did Henry Moseley establish that the elements are properly ordered by atomic number rather than atomic mass?

Answer: 1913

2. True or false: Moseley's 1913 result supported arranging elements by atomic mass as the primary rule.?

Answer: False

3. The modern periodic law tracks recurring properties as what quantity increases?

Answer: Atomic number

4. What numerical span is usually assigned to the lanthanide series?

Answer: Elements 57 through 71

5. Which run of atomic numbers is usually used for the actinide series?

Answer: Elements 89 through 103

6. Name the four standard blocks into which the periodic table is commonly divided.?

Answer: s, p, d, and f blocks

7. If someone says the table's architecture is broken into four lettered regions, which set is correct?

Answer: s, p, d, and f blocks

8. Which block occupies the first two groups of the periodic table, with helium included there by electron configuration?

Answer: The s-block

9. Playful but precise: helium crashes a block party it doesn't visually live in. By electron configuration, which block claims it?

Answer: The s-block

10. In the standard layout, the d-block covers which group range?

Answer: Groups 3 through 12

11. Which tactic did Mendeleev use in his table so he could account for elements not yet discovered?

Answer: He left gaps in the table.

12. What was later discovered under Mendeleev's predicted name eka-silicon?

Answer: Germanium

13. Which discovered element fulfilled Mendeleev's prediction for eka-boron?

Answer: Scandium

14. Carbon's column on the modern table carries what group number?

Answer: Group 14

FUNNY PERIODIC TABLE OF ELEMENTS TRIVIA

1. Before element 111 got a less tongue-twisty identity, what temporary systematic name did it wear like an oversized nametag?

Answer: Unununium

2. Which temporary name belonged to element 112 back when official naming was apparently taking the scenic route?

Answer: Ununbium

3. Element 113 once answered to which gloriously repetitive temporary name?

Answer: Ununtrium

4. If element 114 were introducing itself at a party before its final naming, what temporary name would be on the badge?

Answer: Ununquadium

5. Which temporary systematic name was once assigned to element 115?

Answer: Ununpentium

6. Element 116 briefly had a name that sounds like a spell from a chemistry wizard. What was it?

Answer: Ununhexium

7. Which mouthful of a temporary name belonged to element 117?

Answer: Ununseptium

8. What temporary systematic name did element 118 use before chemistry finally let it stop sounding like a robot password?

Answer: Ununoctium

9. True or false: Molybdenum is one of those element names many people misspell on the first try.?

Answer: True

10. Which real element name sounds like it was assembled from bonus syllables and has 12 letters?

Answer: Praseodymium

11. Which pair of elements once stood in the middle of a naming dispute, proving even the

periodic table can have drama?

Answer: Rutherfordium and dubnium

12. What nickname was given to the naming conflict over several heavy elements?

Answer: Transfermium Wars

13. Tungsten refused to be boring: what is its symbol, if not T?

Answer: W

FUN PERIODIC TABLE OF ELEMENTS TRIVIA

1. Which letter is totally missing from every current element symbol, as if the periodic table ghosted it?

Answer: J

2. If you played Scrabble with element symbols, which letter would never show up because no current symbol uses it?

Answer: Q

3. The four newest named elements all got their official approval in what year?

Answer: 2016

4. Which element currently sits at the heavyweight end of the named periodic table?

Answer: Oganesson

5. Mendeleev gives a giant nod to which scientist?

Answer: Dmitri Mendeleev

6. Which famous physicist has an element named after him in einsteinium?

Answer: Albert Einstein

7. Curium honors a science power couple. Which person is one of the two namesakes?

Answer: Pierre Curie

8. Seaborgium sounds like a sci-fi harbor, but it's actually named for which scientist?

Answer: Glenn T. Seaborg

9. Americium wears its name on its sleeve. It was named after what region?

Answer: the Americas

10. Which continent lends its name to europium?

Answer: Europe

11. Californium is named after which U.S. state?

Answer: California

12. Dubnium takes its name from which Russian place?

Answer: Dubna

13. Nihonium points to which country, using its Japanese name 'Nihon'?

Answer: Japan

PERIODIC TABLE OF ELEMENTS FAMILY TRIVIA

1. How many groups are in the modern periodic table?

Answer: 18

2. How many periods run across the modern periodic table?

Answer: 7

3. As currently confirmed, how many elements are included on the periodic table?

Answer: 118

4. In what year did Dmitri Mendeleev publish his influential periodic table?

Answer: 1869

5. If two elements are in the same group, what do they usually have in common?

Answer: They usually have similar chemical behavior.

6. Atomic number tells you the number of what in an atom's nucleus?

Answer: Protons

7. The periodic table is arranged in order of increasing what?

Answer: Atomic number

8. Which family sits in the far-right group of the periodic table?

Answer: Noble gases

9. Group 1 elements are called what, with one exception for hydrogen?

Answer: Alkali metals

10. What name is given to the elements in Group 17?

Answer: Halogens

11. Most elements on the periodic table are what kind of substance?

Answer: Metals

12. Those two rows often shown below the main table belong to which two series?

Answer: The lanthanides and actinides

EASY PERIODIC TABLE OF ELEMENTS TRIVIA

1. What are the horizontal rows on the periodic table called?

Answer: They are called periods.

2. What name is given to the vertical columns on the periodic table?

Answer: They are called groups.

3. Which element comes first on the periodic table?

Answer: Hydrogen

4. What is the chemical symbol for helium?

Answer: He

5. What is the atomic number of oxygen?

Answer: 8

6. Which one-letter symbol belongs to carbon?

Answer: C

7. What is the chemical symbol for gold?

Answer: Au

8. Which symbol stands for silver?

Answer: Ag

9. What is the chemical symbol for iron?

Answer: Fe

10. Hg is the symbol for which element?

Answer: Mercury

11. What is the chemical symbol for sodium?

Answer: Na

12. Which chemical symbol belongs to potassium?

Answer: K

13. What is the symbol for lead?

Answer: Pb

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