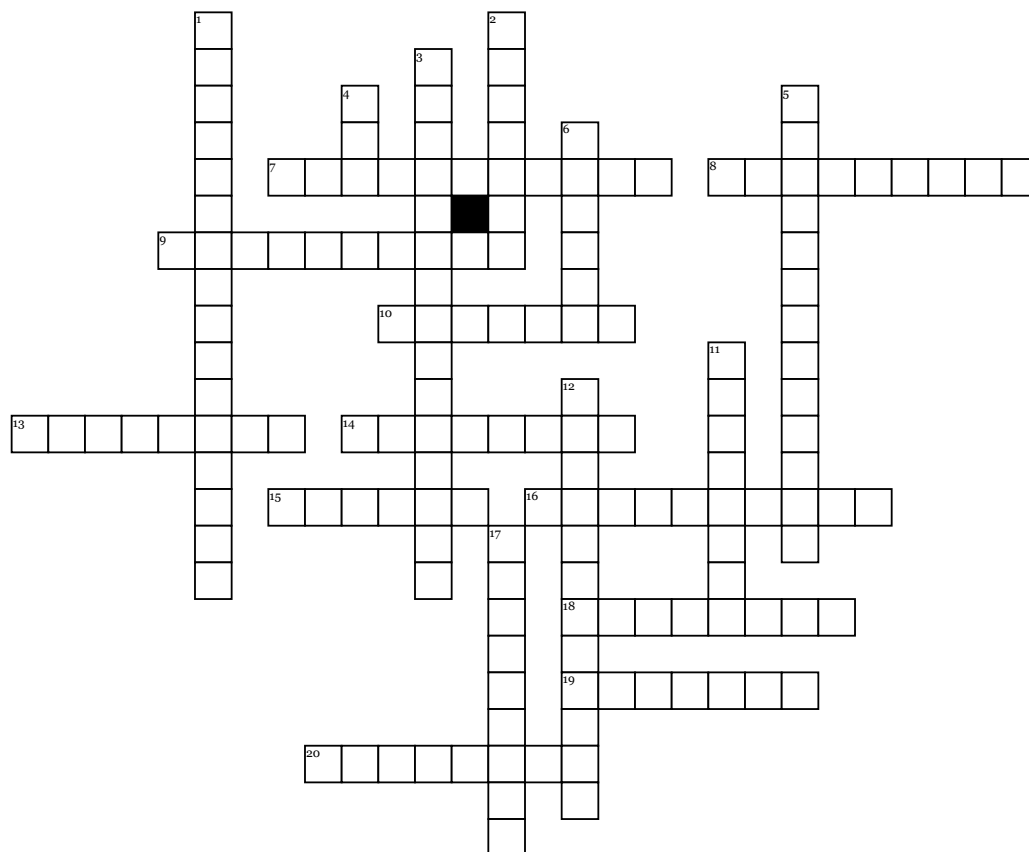


Group 3



Across

7. It is a synthetic element with symbol Es and atomic number 99. It is the seventh transuranic element, and an actinide.

8. A Polish and naturalized-French physicist and chemist who conducted pioneering research on radioactivity. Discovered Radium and Polonium

9. The first element to be produced synthetically.

10. He was an American chemist whose involvement in the synthesis, discovery and investigation of ten transuranium elements earned him a share of the 1951 Nobel Prize in Chemistry.

13. It is the rarest naturally occurring element in the Earth's crust, occurring only as the decay product of various heavier elements.

14. Any material that cannot be broken down into more fundamental substances. It is a substance that is made entirely from one type of atom.

15. It is third most abundant element.

16. His philosophy is best known for originating the cosmogenic theory of the four classical elements.

18. It is a synthetic chemical element with symbol Nh and atomic number 113.

19. It is a chemical element with symbol Hg and is commonly known as quicksilver and was formerly named hydrargyrum.

20. It is commonly used as an antiseptic and is used to make drinking water safe and to treat swimming pools.

Down

1. He recognized and named oxygen (1778) and hydrogen (1783) and opposed the phlogiston theory.

2. The heaviest element that occurs in large quantity.

3. A Russian chemist and inventor who formulated the Periodic Law and created a farsighted version of the periodic table of elements.

4. A chemical element with symbol Sn and atomic number 50. It is a post-transition metal in group 14 of the periodic table.

5. It is an arrangement of the chemical elements and are organized on the basis of their atomic numbers, electron configurations and recurring chemical properties

6. The most electrically conductive element followed by copper and gold.

11. It is the lightest element on the periodic table.

12. It is the number of protons in the nucleus of an atom, which determines the chemical properties of an element and its place in the periodic table.

17. An alkaline earth metal, strontium is a soft silver-white yellowish metallic element that is highly reactive chemically.

Word Bank

Strontium

Dmitri Mendeleev

Nihonium

atomic number

Silver

mercury

oxygen

Tin

Periodic table

Chlorine

Einsteinium

Antoine Lavoisier

Technetium

uranium

Hydrogen

Empedocles

Seaborg

Elements

Astatine

mari curie