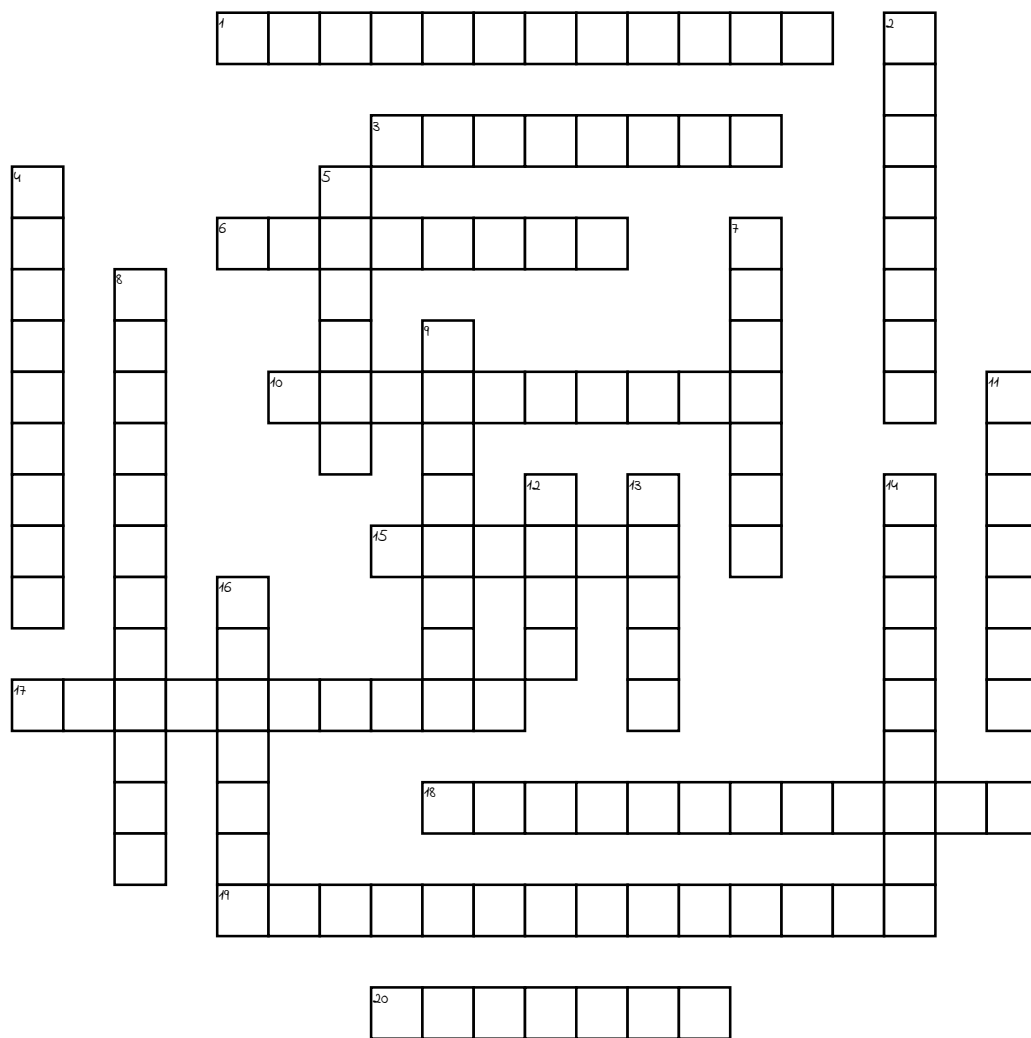


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# Elements, Compound, Mixture & Science



## Across

1. The temperature at which a given solid will melt.

3. A chemical element (such as boron, carbon, or nitrogen) that lacks the characteristics of a metal.

6. Any substance that cannot be decomposed into simpler substances by ordinary chemical processes.

10. The complete transfer of valence electron(s) between atoms

15. Gentle shining light that is reflected from a surface

17. Is the mass of a single atom of a chemical element.

18. 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.

19. of matter that causes it to experience a force when placed in an electromagnetic field

20. Metals that can be formed or pressed into another shape without fracturing

## Down

2. A thing that is composed of two or more separate elements; a mixture.

4. the material, or matter, of which something is made are physical things that can be seen, touched, or measured.

5. The horizontal rows of the periodic table that shows element.

7. a measure of mass per unit of volume

8. the temperature at which the vapor pressure of a liquid equals the pressure surrounding the liquid and the liquid changes into a vapor.

9. Two or more substances are combined, but each substance keeps its physical properties, which is a characteristic that can be measured or observed

11. a usually round part of most cells that is enclosed in a double membrane, controls the activities of the cell, and contains the chromosomes

12. Smallest unit into which matter can be divided without the release of electrically charged particles.

13. A column in the periodic table of the chemical elements.

14. Able to be hammered or pressed permanently out of shape without breaking or cracking.

16. the intellectual and practical activity encompassing the systematic study of the structure and behaviour of the physical and natural world through observation and experiment.

## Word Bank

Mixtures

Luster

Substance

Electric Charge

Compound

Malleable

Nucleus

Melting point

Nonmetal

Elements

Group

Ionic Bonds

Ductile

Science

Density

Atomic mass.

boiling point

Period

Atomic Number

Atom