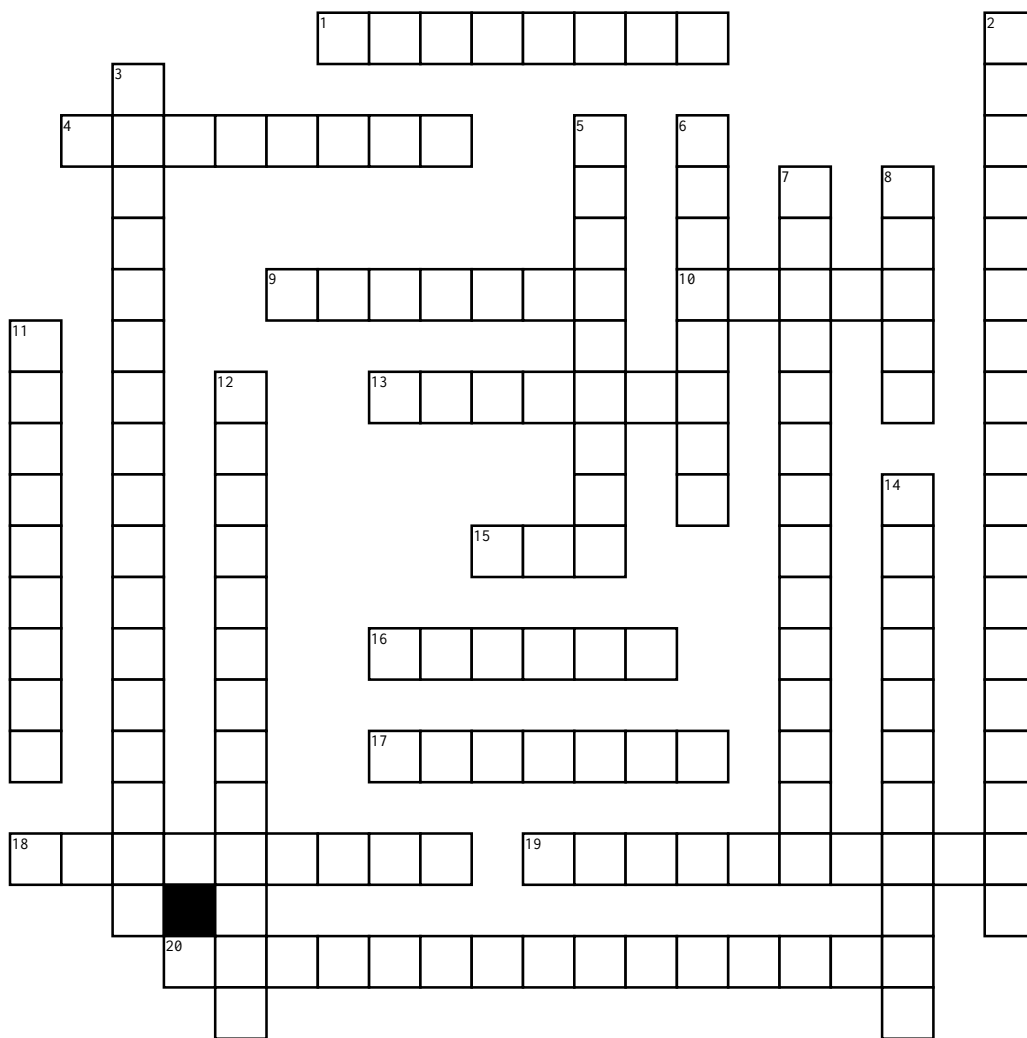


CHEMICALS



Across

1. a substance that takes part in and undergoes change during a reaction
4. consisting of two atoms
9. substance that is formed as the result of a chemical reaction.
10. solid material that is typically hard, shiny, malleable, fusible, and ductile, with good electrical and thermal conductivity
13. substances that cannot be chemically interconverted or broken down into simpler substances and are primary constituents of matter.
15. a fluid that has neither independent shape nor volume but tends to expand indefinitely

16. a fluid that has no independent shape but has a definite volume and does not expand indefinitely and that is only slightly compressible
17. solution or mixture in which water is the solvent.
18. consisting of one atom
19. rapid chemical combination of a substance with oxygen, involving the production of heat and light.
20. the chemical formulas of substances that are reacting and the substances that are produced.

Down

2. an equation for a chemical reaction in which the number of atoms for each element in the reaction and the total charge is the same for both the reactants and the products.

3. type of chemical reaction where an element reacts with a compound and takes the place of another element in that compound.
5. the production of chemical compounds by reaction from simpler materials.
6. element or substance that is not a metal.
7. metals is an empirical tool used to predict products in displacement reactions and reactivity of metals with water and acids in replacement reactions and ore extraction.
8. firm and stable in shape; not liquid or fluid.
11. indicate the number of atoms of the element immediately
12. to separate into constituent parts or elements or into simpler compounds
14. numbers in front of the formulas

Word Bank

element	synthesis	formula equation	coefficient
decomposition	combustion	solid	liquid
single replacement	gas	balancing equations	activity series
subscript	monatomic	metal	reactant
product	non metal	diatomic	aqueous