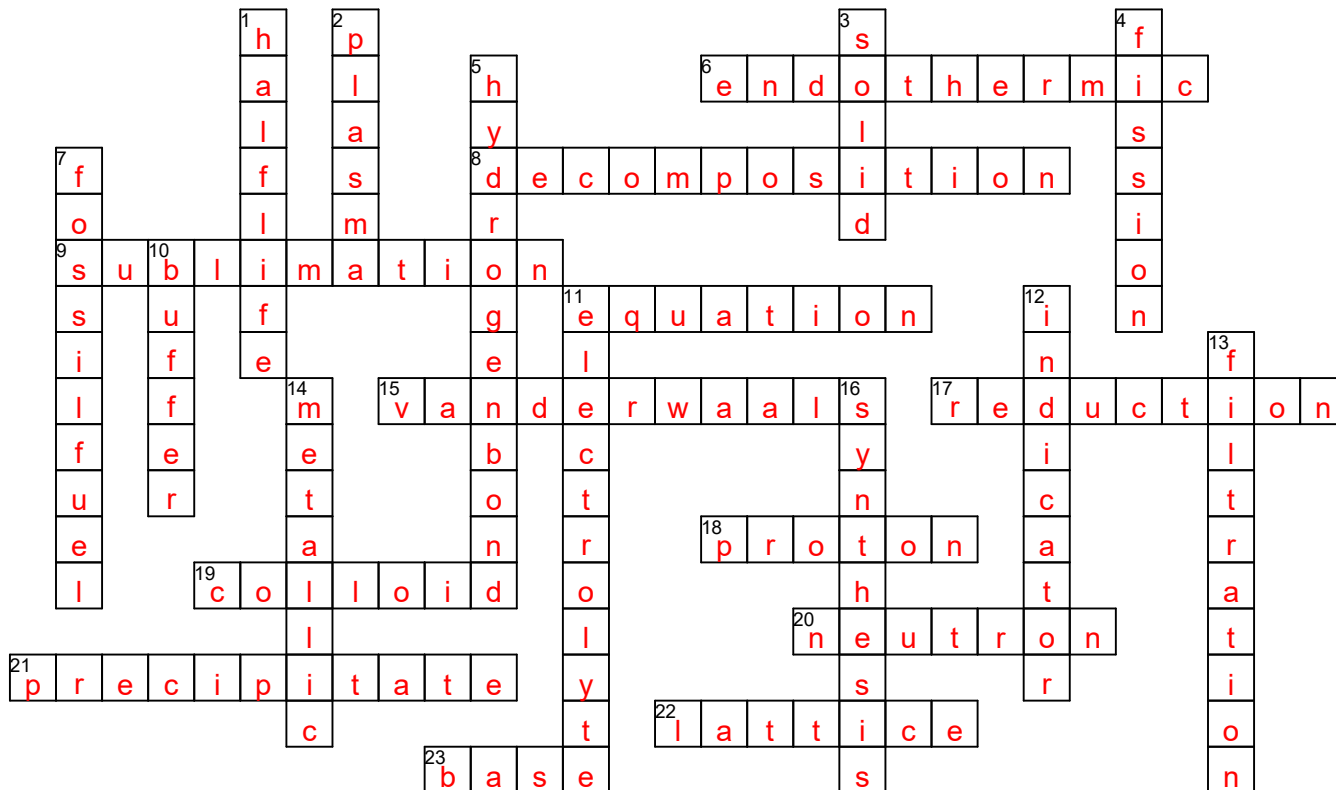


# Chemistry Terms Review Crossword Puzzle 4

1. Using the Across and Down clues, write the correct answer in the numbered grid below.



## ACROSS

6. A reaction that absorbs energy.
8. A chemical reaction where a single compound breaks down into simpler substances.
9. The process where a solid changes directly into a gas.
11. A statement that shows the equality of two expressions.
15. Weak intermolecular forces between molecules.
17. The gain of electrons in a reaction.
18. A positively charged particle in an atom's nucleus.
19. A mixture where very small particles of one substance are evenly distributed throughout another.
20. A neutral particle in an atom's nucleus.
21. A solid that forms and settles out of a liquid mixture.
22. A regular arrangement of particles in a crystalline solid.
23. A substance that accepts protons in a solution.

## DOWN

1. The time it takes for half of a radioactive substance to decay.
2. A state of matter similar to gas but consisting of charged particles.
3. A state of matter with a definite shape and volume.
4. The splitting of a nucleus into smaller parts.
5. A strong type of intermolecular force involving hydrogen.
7. Nonrenewable energy sources like coal, oil, and natural gas.
10. A solution that resists changes in pH.
11. A substance that conducts electricity when dissolved in water.
12. A substance that changes color to indicate the presence of an acid or base.
13. A process used to separate solids from liquids using a filter.
14. Type of bond found in metals, involving a sea of electrons.
16. A chemical reaction in which two or more substances combine to form a new compound.

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van der Waals

electrolyte

half-life

filtration

proton

precipitate

metallic

base

decomposition

buffer

solid

colloid

lattice

plasma

fission

synthesis

indicator

fossil fuel

equation

sublimation

endothermic

hydrogen bond

reduction

neutron