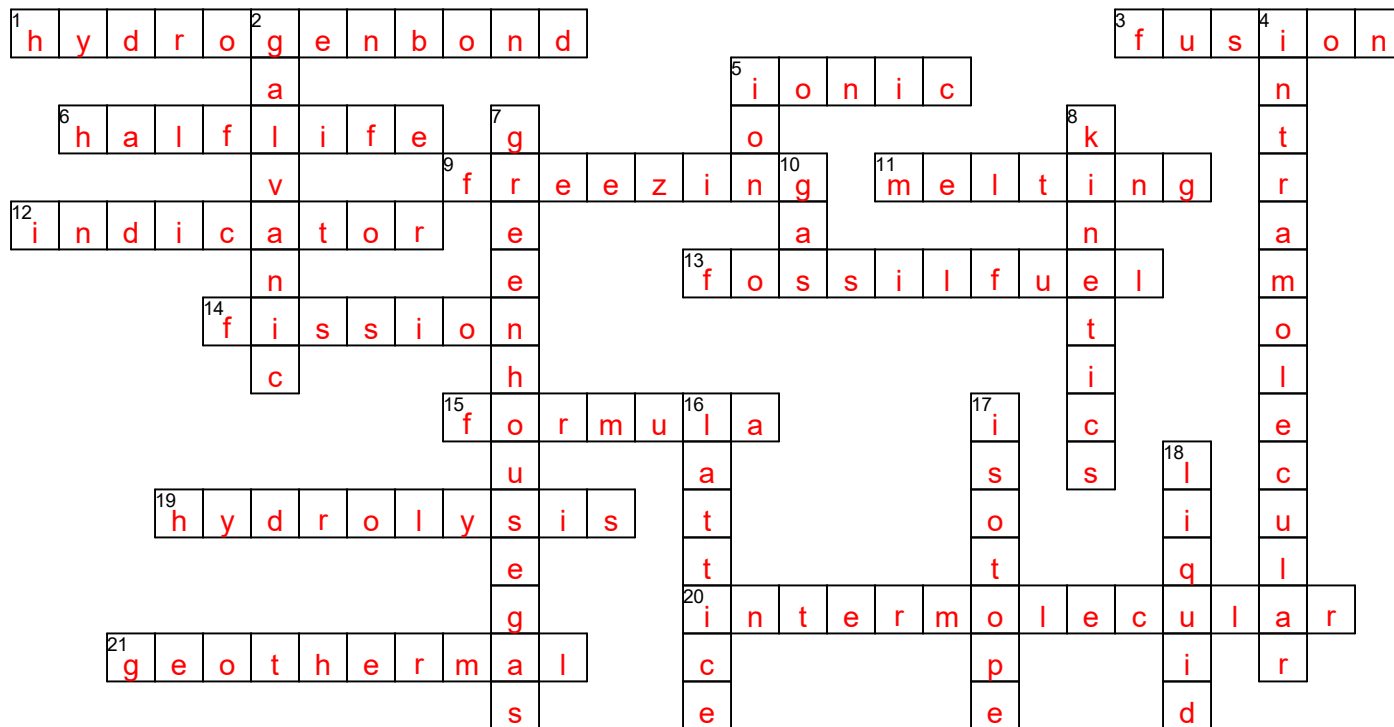


# Chemistry Terms Crossword Puzzle 3-1

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



## ACROSS

1. A strong type of intermolecular force involving hydrogen.
3. The combining of nuclei to form a heavier nucleus.
5. Type of bond where atoms transfer electrons.
6. The time it takes for half of a radioactive substance to decay.
9. The process where a liquid changes into a solid.
11. The process where a solid changes into a liquid.
12. A substance that changes color to indicate the presence of an acid or base.
13. Nonrenewable energy sources like coal, oil, and natural gas.
14. The splitting of a nucleus into smaller parts.
15. A representation of the elements in a compound.
19. A chemical reaction involving water.
20. Forces between molecules.
21. Energy derived from the heat within the earth.

## DOWN

2. A type of electrochemical cell that generates electrical energy.
4. Forces within a molecule.
5. An atom or molecule with a net electric charge.
7. Gases that trap heat in the atmosphere.
8. The study of the rate of chemical reactions.
10. A state of matter with no fixed shape or volume.
16. A regular arrangement of particles in a crystalline solid.
17. Atoms of the same element with different numbers of neutrons.
18. A state of matter with a definite volume but no fixed shape.

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greenhouse gas

hydrolysis

ion

formula

indicator

kinetics

intramolecular

ionic

lattice

liquid

melting

galvanic

freezing

gas

fission

intermolecular

hydrogen bond

half-life

isotope

geothermal

fossil fuel

fusion