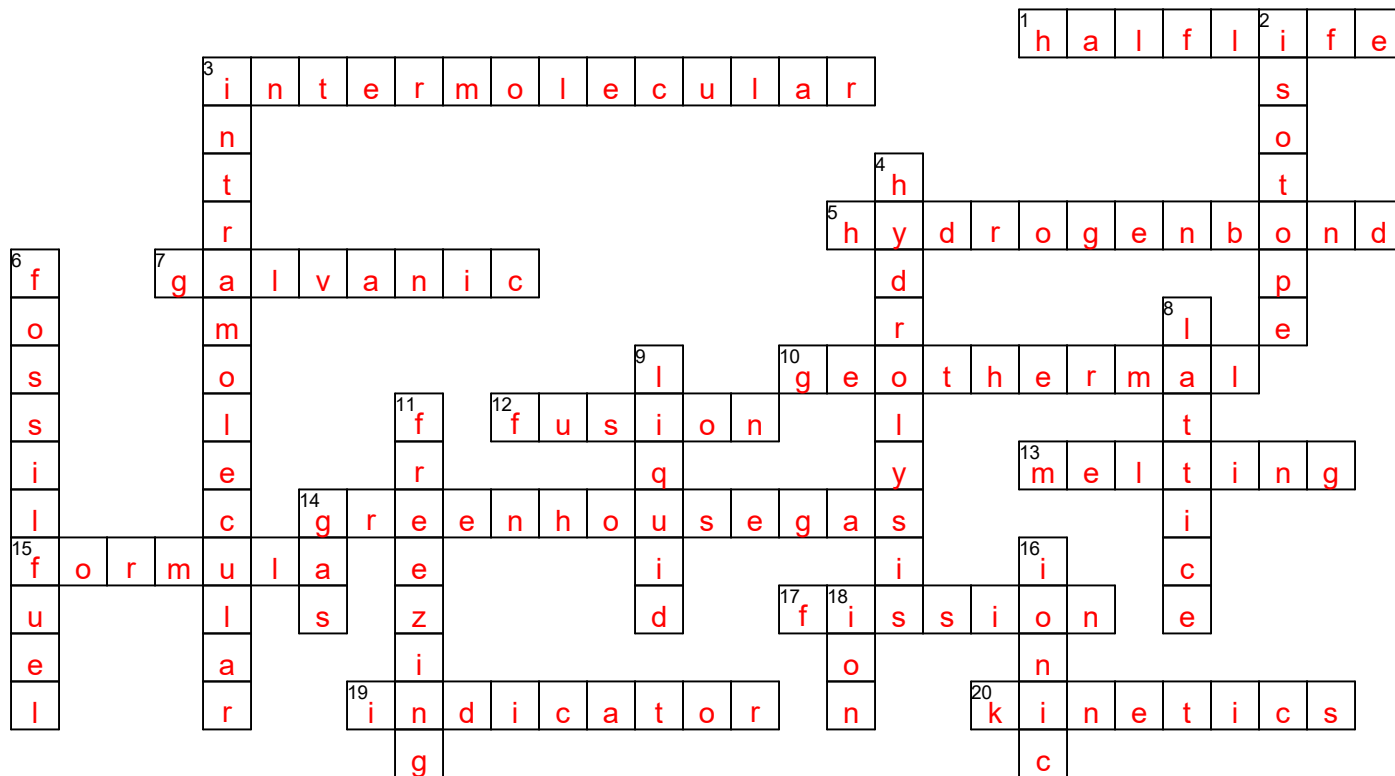


Chemistry Terms Crossword Puzzle 3-4

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



ACROSS

1. The time it takes for half of a radioactive substance to decay.
3. Forces between molecules.
5. A strong type of intermolecular force involving hydrogen.
7. A type of electrochemical cell that generates electrical energy.
10. Energy derived from the heat within the earth.
12. The combining of nuclei to form a heavier nucleus.
13. The process where a solid changes into a liquid.
14. Gases that trap heat in the atmosphere.
15. A representation of the elements in a compound.
17. The splitting of a nucleus into smaller parts.
19. A substance that changes color to indicate the presence of an acid or base.
20. The study of the rate of chemical reactions.

DOWN

2. Atoms of the same element with different numbers of neutrons.
3. Forces within a molecule.
4. A chemical reaction involving water.
6. Nonrenewable energy sources like coal, oil, and natural gas.
8. A regular arrangement of particles in a crystalline solid.
9. A state of matter with a definite volume but no fixed shape.
11. The process where a liquid changes into a solid.
14. A state of matter with no fixed shape or volume.
16. Type of bond where atoms transfer electrons.
18. An atom or molecule with a net electric charge.

half-life

fossil fuel

galvanic

hydrolysis

lattice

indicator

intermolecular

freezing

ionic

isotope

hydrogen bond

intramolecular

kinetics

fission

greenhouse gas

geothermal

gas

liquid

formula

fusion

melting

ion