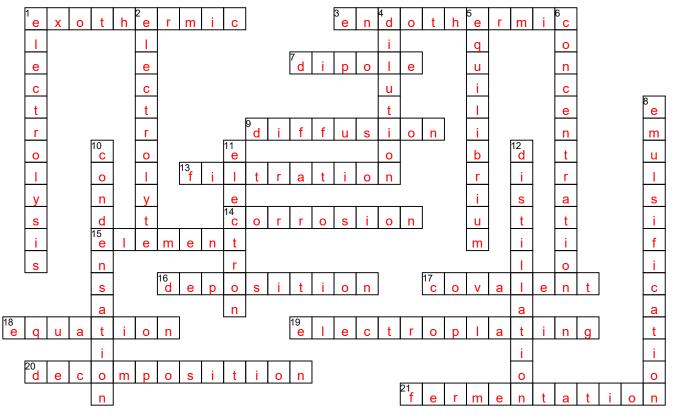
## Chemistry Terms Crossword Puzzle 2-4

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



## ACROSS

- 1. A reaction that releases energy.
- 3. A reaction that absorbs energy.
- 7. A molecule with two poles of opposite charge.
- 9. The spreading of particles from an area of higher concentration to an area of lower concentration.
- 13. A process used to separate solids from liquids using a filter.
- 14. The gradual destruction of metals by chemical reactions with the environment.
- 15. A substance that cannot be broken down into simpler substances.
- 16. The process where a gas changes directly into a solid.
- 17. Type of bond where atoms share electrons.
- 18. A statement that shows the equality of two expressions.
- 19. The process of coating a metal object with a thin layer of another metal using electrolysis.
- 20. A chemical reaction where a single compound breaks down into simpler substances.
- 21. The chemical breakdown of a substance by bacteria, yeasts, or other microorganisms.

## DOWN

- 1. A process that uses electricity to drive a chemical reaction.
- 2. A substance that conducts electricity when dissolved in water.
- 4. Adding more solvent to decrease the concentration of a solution.
- 5. The state where the rates of the forward and reverse reactions are equal.
- 6. The amount of solute in a given amount of solvent.
- 8. The process of mixing two immiscible liquids.
- 10. The process where a gas changes into a liquid.
- 11. A negatively charged particle orbiting the nucleus.
- 12. A process used to separate mixtures based on differences in boiling points.

| electroplating | electron       | dilution      |
|----------------|----------------|---------------|
| element        | exothermic     | concentration |
| condensation   | endothermic    | equilibrium   |
| electrolyte    | decomposition  | corrosion     |
| deposition     | diffusion      | filtration    |
| covalent       | emulsification | distillation  |
| equation       | fermentation   | dipole        |
| electrolysis   |                |               |