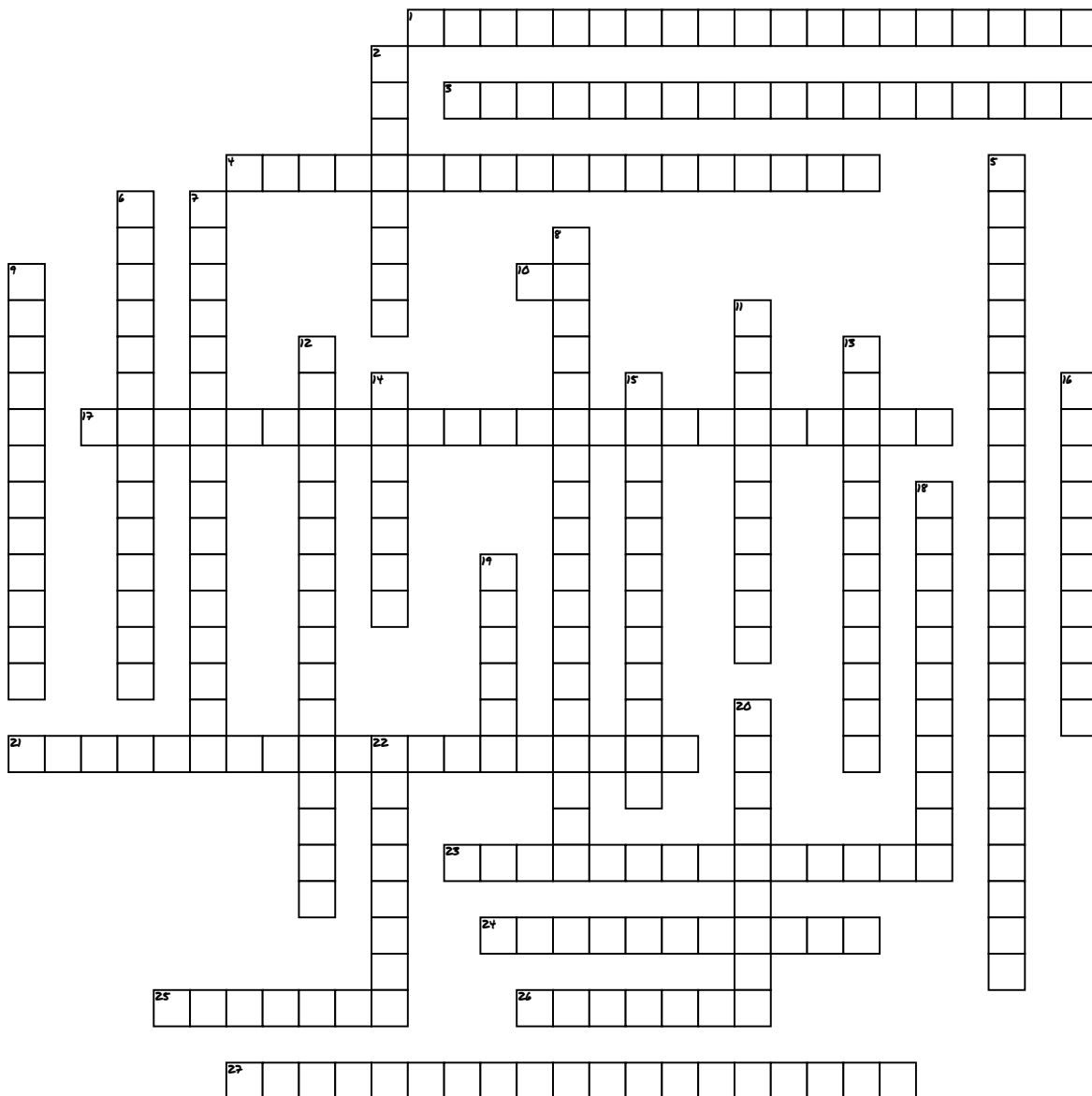


PHYSICAL AND CHEMICAL PROPERTIES AND CHANGES



ACROSS

- 1. THE SAME NO MATTER HOW MUCH OF THE MATERIAL IS PRESENT IN THE SAMPLE (MELTING POINT, BOILING POINT, DENSITY, COLOR, TEMPERATURE, AND LUSTER)
- 3. A REACTION THAT RELEASES ENERGY IN THE FORM OF HEAT - TEMPERATURE OF A SUBSTANCE GOES UP.
- 4. THE WAY A SUBSTANCE MAY CHANGE OR REACT TO FORM OTHER SUBSTANCES. (LIKE REACTIVITY TO OTHER CHEMICALS)
- 10. IS A MEASURE OF HOW ACIDIC OR BASIC SOLUTION IS.
- 17. A CHEMICAL EQUATION WITH THE SAME NUMBER OF ATOMS OF EACH ELEMENT ON BOTH SIDES OF THE EQUATION.
- 21. THOSE THAT CHANGE IF THE AMOUNT OF MATERIAL IN THE SAMPLE CHANGES (MASS, VOLUME AND LENGTH)
- 23. THE TYPE OF MATTER IS NOT CHANGED, NOTHING NEW OR DIFFERENT IS FORMED. CHANGE IN COLOR, VOLUME SHAPE, STATE OF MATTER, ETC...
- 24. THE NUMBERS IN THE FRONT OF CHEMICAL SYMBOLS

25. THE SUBSTANCES CREATED AFTER THE REACTION TAKES PLACE

- 26. IN A SOLUTION, THE SUBSTANCE IN WHICH THE SOLUTE DISSOLVES.
- 27. A REACTION THAT ABSORBS ENERGY IN THE FORM OF HEAT - TEMPERATURE OF SUBSTANCE GOES DOWN.

DOWN

- 2. IS A MEASURE OF A SOLUTION THAT HAS AN EXCESS OF OH⁻ IONS. (ALKALI)
- 5. DURING A CHEMICAL REACTION MATTER CANNOT BE CREATED OR DESTROYED
- 6. THE COMPOSITION OF A SUBSTANCE CHANGES. SOMETHING NEW IS FORMED. EVIDENCED BY THE PRODUCTION OF A PRECIPITATE, GAS BUBBLES, ENDOTHERMIC REACTION OR EXOTHERMIC REACTION.
- 7. IS WRITTEN AS AN EXPRESSION SIMILAR TO A MATHEMATICAL EQUATION THAT CAN BE COMPARED TO A RECIPE THAT A CHEMIST FOLLOWS IN ORDER TO PRODUCE DESIRED RESULTS.
- 8. ANYTHING THAT CAN BE OBSERVED WITHOUT CHANGING THE IDENTITY OF THE SUBSTANCE. (TENDS TO BE MEASURABLE, LIKE BOILING POINT)

9. TEMPERATURE AT WHICH SOLID TURNS TO LIQUID; 0 DEGREES CELSIUS

- 11. THE ABILITY TO DISSOLVE IN A LIQUID.
- 12. WHEN BONDS BETWEEN THE ELECTRONS OF ATOMS ARE FORMED OR BROKEN
- 13. TEMPERATURE AT WHICH LIQUID TURNS TO GAS; 100 DEGREES CELSIUS
- 14. IS A MEASURE OF SOLUTION THAT HAS AN EXCESS OF H⁺ IONS.
- 15. AN ENVIRONMENT WHERE MATTER CANNOT ENTER OR ESCAPE
- 16. AN ENVIRONMENT WHERE MATTER CAN ENTER OR ESCAPE
- 18. A SOLID THAT IS PRODUCED FROM A LIQUID SOLUTION DURING A CHEMICAL CHANGE/REACTION
- 19. A SUBSTANCE THAT IS DISSOLVED IN A SOLUTION.
- 20. THE NUMBERS BEHIND THE CHEMICAL SYMBOLS
- 22. THE SUBSTANCES PRESENT BEFORE THE REACTION OCCURS