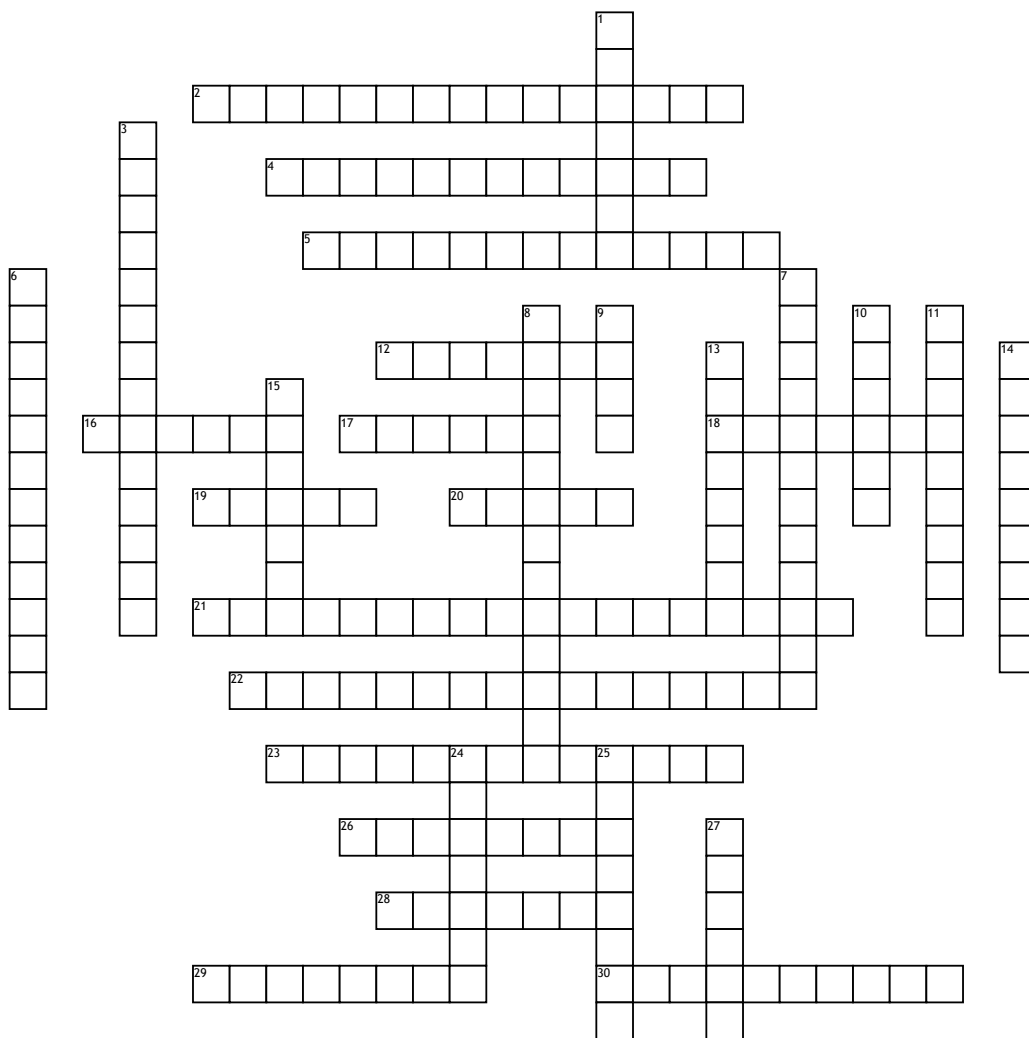


Chemistry Extra Credit



Across

- 2. WHO CREATED THE PERIODIC TABLE OF ELEMENTS?
- 4. OUTERMOST SHELL THAT CONTAINS ELECTRONS
- 5. CHART OF ELEMENTS ORGANIZED ACCORDING TO THEIR ATOMIC STRUCTURE
- 12. PURE SUBSTANCES CONSISTING OF ONLY ONE KIND OF ATOM IN EACH MOLECULE
- 16. WHAT IS IT CALLED WHEN AN OBJECT HAS MASS AND TAKES UP SPACE?
- 17. STORE ELECTRICAL ENERGY IN
- 18. ELEMENT NAMED AFTER THE GOD THOR
- 19. THE NAME OF THE BOND FORMED WHE NA METALLIC AND NONMETALLIC ELEMENT COMBINE
- 20. A VERTICAL COLLUM ON THE PERIODIC TABLE OF ELEMENTS
- 21. THE KIND OF REACTION THAT YIELDS OXYGEN ADN WATER AS PRODUCTS

- 22. GROUP THREE THROUGH TWELVE ON TEH PERIODIC TABLE OF ELEMENTS
- 23. A REACTION IN WHICH ONE COMPOUND BREAKS DOWN INTO 2 OR MORE SIMPLER COMPOUNDS
- 26. THE FIRST ELEMENT IN THE PERIODIC TABLE
- 28. WHAT ARE THE POSITIVELY CHARGED SUB ATOMIC PARTICLES INSIDE THE NUCLEUS?
- 29. NEW SUBSTANCES PRODUCED IN A CHEMICAL REACTION
- 30. WHAT IS A CHEMICAL REACTION THAT RELEASES HEAT OF LIGHT ENERGY?

Down

- 1. ABLE TO DISSOLVE OTHER SUBSTANCES
- 3. THE SPEED AT WHICH A REACTION OCCURS
- 6. BOND BETWEEN NON METALLIC ELEMENTS
- 7. COMPOUNDS THAT CONTAIN ONLY CARBON AND HYDROGEN

- 8. A MIXTURE THAT DOES NOT HAVE UNIFORM COMPOSTION AND PROPERTIES THROUGHOUT
- 9. BASIC BUILDING BLOCK OF MATTER
- 10. A POSITIVELY CHARGED ATOM
- 11. WHAT IS THE STUDY OF MATTER?
- 13. SUBSTANCES THAT AFFECT THE RATE OF A REACTION BUT ARE NOT CHANGED
- 14. TWO OR MORE LIKE ATOMS COMBINED CHEMICALLY
- 15. WHAT IS THE LAST NATURALLY OCCURING ELEMENT ON THE PERIODIC TABLE OF ELEMENTS?
- 24. WHAT ARE THE 7 HORIZONTAL ROWS OF ELEMENTS CALLED IN THE PERIODIC TABLE ?
- 25. ELEMENT THAT HAS THE HIGHEST MELTING POINT
- 27. THE MINOR COMPONENT IN A SOLUTION, DISSOLVED IN THE SOLVENT

Word Bank

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|---------------|---------------|---------------------|------------------|---------------|
| THORIUM | URANIUM | TRANSITION METALS | RATE OF REACTION | CHEMISTRY |
| VALANCE SHELL | EXOTHERMIC | HYDROGEN | ATOM | IONIC |
| PERIODS | HYDROCARBONS | TUNGSTEN | CATION | CHARGE |
| CATALYST | MATTER | DMITRI MENDELEEV | SOLVENT | PROTONS |
| MOLECULES | HETEROGENEOUS | SOLUTE | ELEMENT | COVALENT BOND |
| DECOMPOSITION | GROUP | COMBUSTION REACTION | PERIODIC TABLE | PRODUCTS |