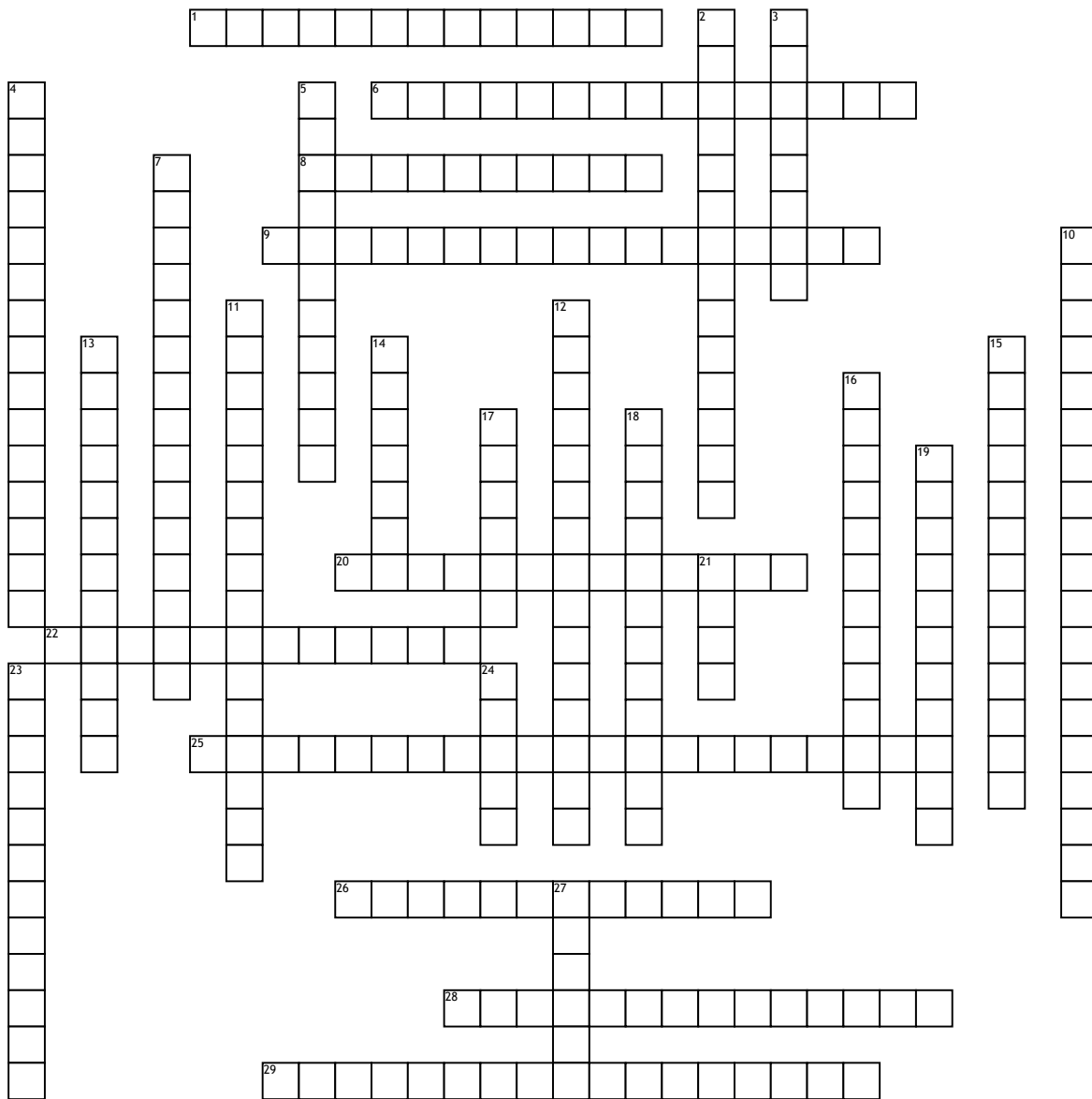


Chemistry Marking Period 2



Across

- 1. contains a metal and nonmetal, has multiple oxidation states
- 6. charge of an ion or apparent charge on an atom in a molecule
- 8. the degree to which an element reacts with another
- 9. includes type three binary compounds, use numerical prefixes before each element
- 20. contains a metal and nonmetal, has one oxidation state
- 22. produced the law of octaves
- 25. the minimum amount of energy needed to remove the most loosely held electron from an atom
- 26. made up of hydrogen and carbon, number of hydrogen equals the number of carbon times 2
- 28. compound made of exactly two different elements

- 29. the attraction an atom has for electrons in a bonding situation

Down

- 2. includes type one binary, type two binary, and compounds which contain polyatomic ions
- 3. two or more elements combined in a fixed ratio
- 4. developed periodic law stating properties of elements are a periodic function of their atomic masses
- 5. properties of elements are a periodic function of their atomic number
- 7. sharing takes place between 2 atoms
- 10. a group of ions with the same number of electrons
- 11. discovered triads
- 12. contains two nonmetals
- 13. the temperature at which a solid will change into a liquid

- 14. the degree of compactness of an element
- 15. cluster of two or more atoms that collectively bear a charge
- 16. systematic method of assigning names to compounds
- 17. positively charged ion
- 18. distance from the center of the nucleus to the outer edge of the electron cloud
- 19. produced a table of 28 elements listed by valence
- 21. compounds which start with hydrogen
- 23. fixed periodic law by revising the word mass to number
- 24. negatively charged ion
- 27. made up of hydrogen and carbon, number of hydrogen equals the number of carbon times 2 plus 2