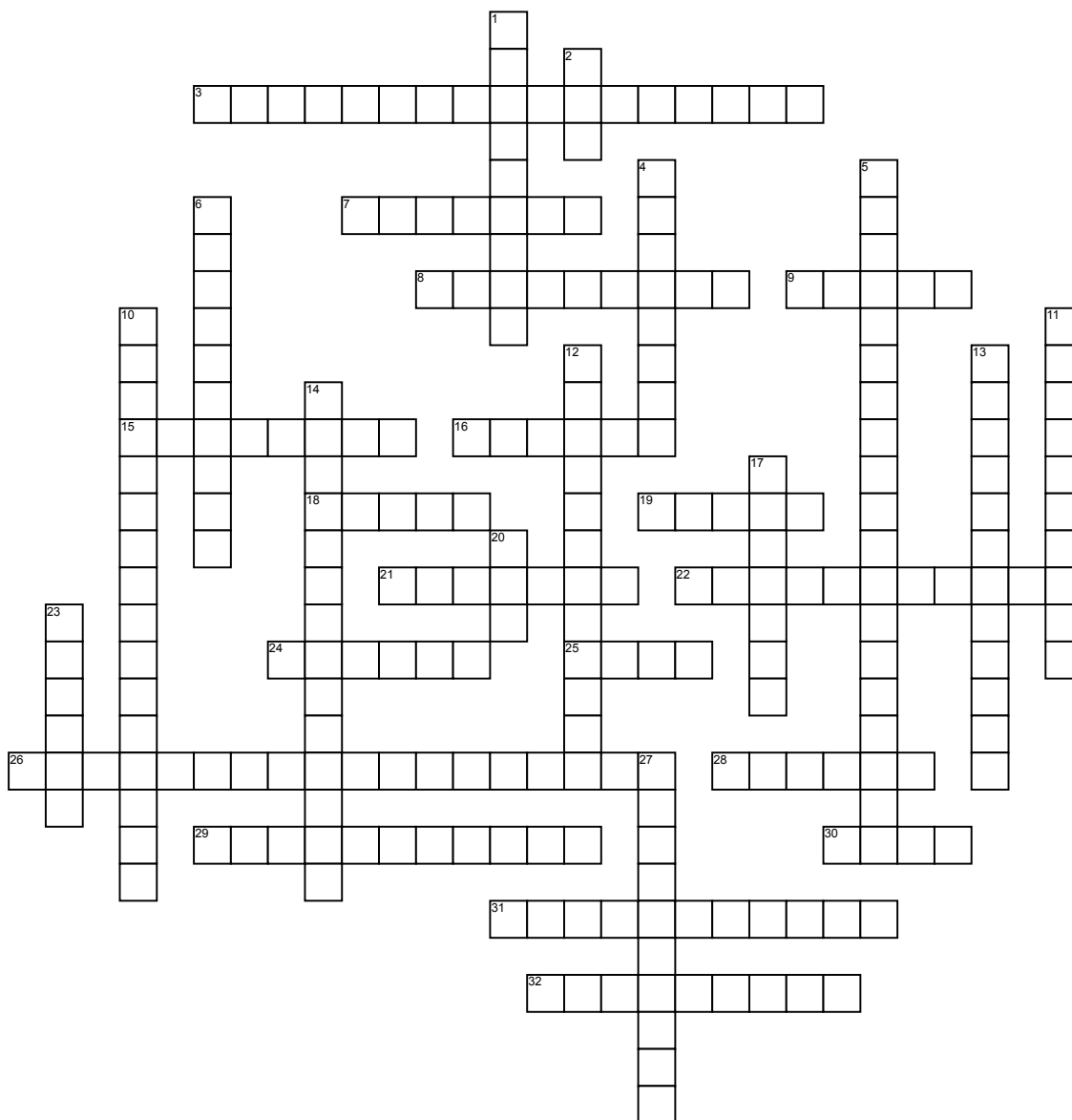


Chem Part1 Vocab



Across

3. the weighted average of the atomic masses of the naturally occurring isotopes of an element
 7. general term for any isotope of any element
 8. the number of waves that passes a given point in a specific time
 9. an element that is a good conductor of heat and electricity
 15. an element that is a poor conductor of heat and electricity
 16. broad generalization that explains a boy of facts or phenomena
 18. more than a physical object
 19. vertical row of elements on periodic table
 21. a pure substance made only of one kind of atom
 22. 14 elements from atomic number 58 to 71
 24. positive ion

25. amount of a substance that contains sa many particles as there are atoms in exactly 12 gs of carbon-12
 26. the emission of a continuous range of frequencies of electromagnetic radiation
 28. a specific portion of matter in a given region of space that has been selected for study during an experiment
 29. Physical and chemical properties of the elements are periodic functions of their atomic numbers
 30. smallest particle of an element that retains the chemical properties of that element
 31. lowest energy state of an atom
 32. the class we are all in

Down

1. 14 elements from atomic number 91 to 103
 2. a form of energy that exhibits wavelike behavior as it travels through space

4. something that has magnitude, size, or amount
 5. Refers to the emission of electrons from a metal when light shines on the metal
 6. distance between corresponding points on adjacent waves
 10. metals with typically metallic properties
 11. a testable statement or educated guess
 12. number of protons in the nucleus of each atom of that element
 13. higher potential energy than it is at the ground state
 14. 1 amu is exactly 1/12 the mass of carbon-12 atom
 17. the minimum quantity of energy that can be lost or gained by an atom
 20. all the forms of electromagnetic radiation
 23. horizontal row of elements on periodic table
 27. number of protons and neutrons in the nucleus of an isotope