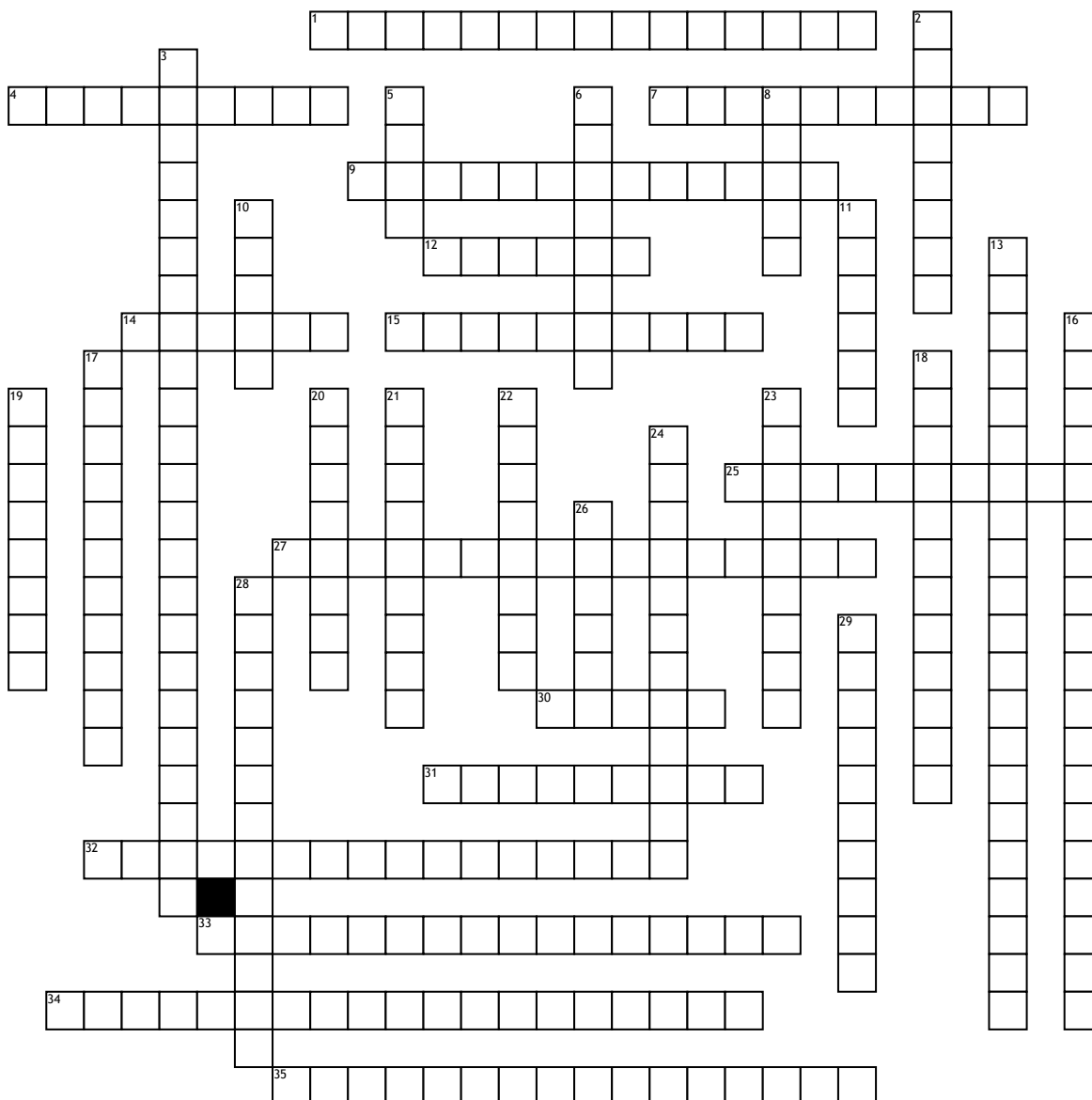


SGM Review



Across

1. the sharing of electron pairs(6)
4. ____ number is used to find chemical formulas
7. founder of the gold foil with a beam of positive charged particles(3)
9. 3-D network of ions(6)
12. gravitational pull on things(2)
14. ____ rule states there must be 8 valance electrons in last orbital(6)
15. identification of components and compositions (chemistry)(1)
25. crated theory of atoms(3)
27. block d contains_____(5)
30. shiny conductors (1)
31. darts in the same area(2)
32. _____can be lost,gained,or shared(5)
33. simplest ratio of atoms(7)

34. emission of electrons from metal when light shines on them(4)

35. study of carbon containing compounds(1)

Down

2. founder of the plum pudding model(3)
3. two electrons with the same four quantum numbers in the same orbital(4)
5. smallest thing in the world(3)
6. PO₄_3
8. ____ rule states that an electron must be in each orbital before it goes in another(4)
10. ____theory predicts shapes of molecules(6)
11. _____principle states that an electron occupies lowest-energy orbital (4)

13. the percentage of an element in compound(7)

16. amount of present matter (1)

17. same proportions throughout mixture(1)

18. group one elements(5)

19. "sea of electrons" are involved in ____ bonding (6)

20. darts on the bull's-eye (2)

21. ions with oxygen(7)

22. the amount of something(2)

23. what number is 6.022×10^{23} (3)

24. half the distance between the nuclei of identical atoms(5)

26. the space inside an object(2)

28. wave properties of electrons(4)

29. the formation of ions(5)