

Name: \_\_\_\_\_

This is not a crossword puzzle really. It's a search of your Periodic Table of the Elements and table S.

Each box has its own number. You will fill in each box with a letter, which will spell out some words and acronyms, but mostly it's practice for you to look around the tables and become more familiar with the elements names and locations (metals vs nonmetals).

At the end, there are some clues to the "words" that this puzzle contains, but they are for fun, do the 52 box clues first. Each clue is relatively easy, don't sweat yet.

This is for a classwork grade, hand it in.

1	2	3	4	5	6	7	
8			9	10	11	12	13
14	15	16	17		18		19
20	21	22	23	24	25	26	
27				28	29	30	31
32	33	34	35	36		37	38
39	40		41	42	43		44
45	46	47	48	49	50	51	52

1. The first letter of the 12th atom's symbol
2. The second letter of the 10th atom's symbol
3. The second letter of the name of atom #36
4. The first letter of the name of the 27th atom
5. The first letter of the name of atom #92
6. The first letter of the name of atom #37
7. The symbol for atom #39
8. The 4th letter of the name of the third noble gas
9. The second letter of the symbol for sodium
10. The first letter of the 22nd atom's name
11. There are two of these letters in the atom's name that rhymes with "moron"
12. The first letter of the atom with 2 more protons than vanadium
13. The first letter of the name of the atom with this configuration: 2-8-18-18-1
14. The fifth letter of the name of the seventh atom on the Periodic table.

15. The 6th letter of the name of the atom in Period 4, Group 6.
16. The second letter of the name of the atom in Period 3, Group 13
17. There are two of these letters in the name of the atom with this configuration: 2-8-8-1
18. The third letter of the name of the atom in period 6 and group 11.
19. The last letter of the name of the second noble gas
20. There are two of these letters of the atom in period 5 and group 17
21. The first letter of the first name of your teacher
22. The symbol for the atom potassium
23. The last letter of the name of the atom with mass of 19 amu
24. The last letter of the name of the atom in period 4, group 10

25. The first letter of the name of the atom with a 2-8-6 electron configuration
26. The second letter of the symbol for neptunium (one atom past uranium!)
27. The third letter of the atom name who's symbol is Mo
28. The first letter of the name of the atom with a 2-8-18-8-2 electron configuration
29. The first letter of two of the atoms in group 11
30. There are 2 of these letters in the 22nd atom's name
31. The first letter of the name of the atom that you saw get sublimated
32. The first and last letter of the noble gas with a 2-8 configuration
33. The last letter of the English name of the atom called "plumbum" in Greek.
34. The 4th letter of the name of the atom in period 6, group 1
35. The second letter of the symbol of the atom with a 2-8-8-2 electron configuration
36. The second letter of the symbol of the atom called palladium
37. The last letter of the name of the second Halogen atom in group 17
38. The last letter of the name of the 3rd Halogen atom in group 17

39. The first letter the name of the atom with a 2-2 electron configuration
40. The second letter of the symbol of the atom number 27
41. The last letter of the name of the atom with the symbol Sn
42. The second letter of the symbol of the second atom on the periodic table
43. The 1st letter of the symbol of the atom named silver
44. The first letter of the name of the atom in period 3 group 14
45. The last letter of the atom name for Zn
46. This letter is the last sound in the name of atom 29 when your teacher says it, but not if you say it.
47. The last letter of the names of the atoms numbered 1, 5, 6, 7, 8, 10, 14, and 18.
48. The 4th letter of the name of the atom with an atomic mass of 192.217 amu
49. The second letter of the name of the atom with a 2-5 electron configuration
50. There are 2 of these letters in the name of the atom in period 3, group 16
51. The last letter of the name of the first metal on the periodic table

## Word clues...

### Across

1. The best element's name
9. The smallest parts of an element
14. Distillation separates different \_\_\_\_
20. Coins made from Cu and Ni
28. Test you take to enter law school
32. Country where element 49 was probably discovered
37. Ponce \_\_ Leon searched for the fountain of youth
39. \_\_ White, author of Charlotte's Web
41. It's the loneliest number
45. Element number 21

### Down

1. A great dessert more common in Maine but available locally too
4. The \_\_\_\_ of the Amontillado by Edgar Allan Poe
6. The best car in the world, a \_\_\_\_ Royce
7. A popular wedding song, \_\_ \_\_ C A.
15. Script word sounds for the birds at the end of Finding Nemo
16. Initials for the Devil character played by Robert DeNiro in Angel Heart.
24. Antelope with curvy pointy horns
26. Opposite of happy
33. Network showing Saturday Night Live
35. A charged particle (atom with less or more electrons than is normal) (we didn't learn this yet)
43. Part of the song "Old MacDonald Had a Farm"

# KEY

1 M	2 E	3 R	4 C	5 U	6 R	7 Y	
8 O			9 A	10 T	11 O	12 M	13 S
14 O	15 I	16 L	17 S		18 L		19 P
20 N	21 I	22 C	23 K	24 E	25 L	26 S	
27 P				28 L	29 S	30 A	31 T
32 I	33 N	34 D	35 I	36 A		37 D	38 E
39 E	40 B		41 O	42 N	43 E		44 A
45 S	46 C	47 A	48 N	49 D	50 I	51 U	52 M