

Name: _____ Date: _____ Period: _____

Electron Configurations Worksheet

Write the complete **ground state electron configurations** for the following:

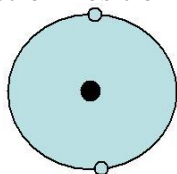
# of e ⁻	Element (atom)	e ⁻ configuration
1. _____	lithium	_____
2. _____	calcium	_____
3. _____	nitrogen	_____
4. _____	potassium	_____
5. _____	chlorine	_____
6. _____	copper	_____
7. _____	neon	_____
8. _____	phosphorous	_____

Write the abbreviated ground state electron configurations for the following:

# of e ⁻	Element (atom)	e ⁻ configuration
9. _____	nitrogen	_____
10. _____	chlorine	_____
11. _____	iron	_____
12. _____	zinc	_____
13. _____	bromine	_____
14. _____	magnesium	_____
15. _____	fluorine	_____
16. _____	aluminum	_____

Draw the Electron Position of each of the following atoms.

17. He:



19. C

21. Ar

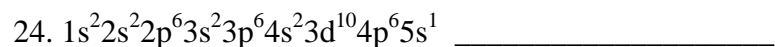
18. Li

20. O

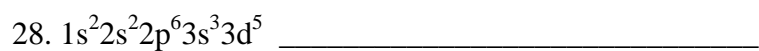
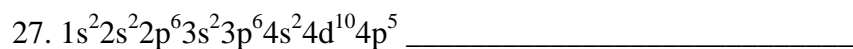
22. B

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Determine what elements are denoted by the following electron configurations:



Correct the following electron configurations:



Identify the number of electrons, valence electrons, and draw the dot structure of each element.

31. Helium (He)

32. Carbon (C)

33. Neon (Ne)

34. Sodium (Na)

35. Potassium (K)

36. Fluorine (F)

37. Krypton (Kr)

38. Chlorine (Cl)

39. Beryllium (Be)

40. Bromine (Br)
