Isotope Notation Chem Worksheet 2-1

Name	
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Answer the following questions about atoms.

- 1. The identity of an atom is determined by the number of _____
- 2. The particle(s) found inside the nucleus are called:
- 3. The number of protons and neutrons combined is called the
- **4.** In an atom the number of protons is always equal to the number of ______
- 5. The number of protons is also called the _____
- **6.** Two atoms with the same number of protons but different numbers of neutrons is called a(n)
- 7. The number of protons found in a sulfur atom is _____
- **8.** The number of neutrons found in an aluminum-27 atom is _____
- **9.** The number of electrons found in a zinc atom is _____
- 10. What is the name of the element with 82 protons?

Give the symbols for the nuclides described by the following particles.

11. 92 protons, 145 neutrons

15. 20 protons, 20 neutrons

12. 8 protons, 10 neutrons

16. 22 protons, 23 neutrons

13. 82 protons, 125 neutrons

17. 18 protons, 22 neutrons

14. 78 protons, 117 neutrons

18. 25 protons, 32 neutrons

Determine the number of protons and neutrons from the following symbols.

19. $^{10}_{5}$ B

24. ⁵⁶ Fe

20. $^{15}_{7}$ N

25. 151 Sm

21. $^{79}_{34}$ Se

26. 195 Pt

22. $^{119}_{50}$ Sn

27. ²⁰⁰Hg

23. $^{165}_{66}$ Dy

28. 93 6