3-3 Practice Problems

PHB+

1. How many protons and electrons are present in a vanadium atom?

23 pt 23 e

2. How many protons and electrons are present in a nitrogen atom?

7p-

3. How many protons and electrons are present in an argon atom?

18 P?

4. How many protons and electrons are present in a potassium atom?

19 pt

5. How many protons and electrons are present in a platinum atom?

79 PT

6. What is the name of the element that has atoms that contain 5 protons?

Boron

7. What is the name of the element that has atoms that contain 17 protons?

Chlorine

8. What is the name of the element that as atoms that contain 25 protons?

Class

Manganere

9. What is the name of the element that has atoms that contain 82 protons?

Lead (Pb Phubum

10. What is the name of the element that has attoms that contain 92 protons?

Used in nucleas

11. Write homical symbol for the ion with 12 protons and 10 electrons.

Mg 2+

12. Write the chemical symbol for the for with 74 protons and 68 electrons.

W⁶⁺

13. Write the chemical symbol for the ion with 95 protons and 89 electrons.

Am6+

14. Write the chemical symbol for the ion with 33 protons and 36 electrons

As

u.C

3-3 Practice Problems (continued)

neutrons = atomic mass - atomic

Date_

Write the chemical symbol for the ion with 29 protons and 27 electrons. 21. How many protons, neutrons, and electrons are present in the ${}^{13}_{6}\text{C}^{4-}$ ion?

Cu at mass

6 pt 7 n° = 13-6

16. How many protons, and electrons are present in the Ni²⁺ Ni²⁺ on?

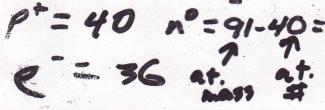
22. Write the complete chemical symbol for the ion with 84 protons, 125 neutrons, and

9 = 28 at # 59-28 = 31 n° 26 e

10h 24 0

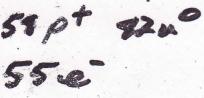
17. How many protons, neutrons, and electrons are present in the 2r⁴⁺ ion?

23. Write the complete chemical symbol for the ion with 27 protons, 32 neutrons, and 25 electrons.

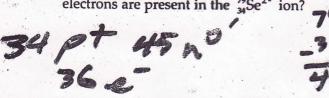


18. How many protons, neutrons, and electrons are present in the 58 Ce³⁺ ion?

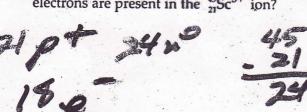
24. Write the complete chemical symbol for the ion with 73 protons, 108 neutrons, and 68 electrons.



19. How many protons, neutrons, and electrons are present in the 34 Se²⁻ ion?



20. How many protons, neutrons, and electrons are present in the 25 Co 3+ ion?



25. Write the complete chemical symbol for the ion with 31 protons, 39 neutrons, and28 electrons.

