13. Arsenic

14. Silicon

15. Potassium

16. Aluminum

17. Rubidium

18. Iodine

19. Sodium

20. Oxygen

Which of the following "rules" is being violated in each electron configuration below? Explain your answer for each. ***Hund's Rule, Pauli Exclusion Principle, Aufbau Principle***

21. ↑↓ ↑↓ ↑↓ __ __
1s 2s 2p

22. ↑↓ ↑↓ ↑↓ ↑↓ ↑↓ __ ↑↓ ↑ ↑
1s 2s 2p 3s 3p

23. ↑↓ ↑↓ ↑↓ ↑↓ ↑↓ ↑↑ ↑↓ ↑↓ ↑
1s 2s 2p 3s 3p

24. ↑↓ ↑↓ ↑↓ ↑↓ ↑↓ ↑↓ ↑↓ ↑↓ ↑↓ ↑↓ ↑↓ ↑↓ ↑↓
1s 2s 2p 3s 3p 3d