

## Answers to problems in page 99

### *Answers to Practice Problems C*

1.  $1s^2 2s^2 2p^4$  or  $[\text{He}] 2s^2 2p^4$
2.  $1s^2 2s^2 2p^6 3s^2 3p^5$  or  $[\text{Ne}] 3s^2 3p^5$

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5.  $1s^2 2s^2 2p^6 3s^2 3p^1$  or  $[\text{Ne}] 3s^2 3p^1$

6.  $1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^3$  or  $[\text{Ar}] 3d^{10} 4s^2 4p^3$

K:  $1s^2 2s^2 2p^6 3s^2 3p^6 4s^1$

P:  $1s^2 2s^2 2p^6 3s^2 3p^3$