

Pg. 199 #1-4

1. (a) 1
- (b) 3
- (c) 4
- (d) 6
- (e) 7

2. (a) 1
- (b) 2
- (c) 5
- (d) 8

3. (a) Period 2 elements have atoms with two electron shells; the second shell contains the valence electrons.
- (b) Period 3 elements have atoms with three electron shells; the third shell contains the valence electrons.

4. Both oxygen and sulphur have six valence electrons, and so they are in the same group in the periodic table.