Chapter 6 Self-Quiz, page 307

1. (b)  
2. (a)  
3. (b)  
4. (c)  
5. (c)  
6. (d)  
7. (d)  
8. (c)  
9. (d)  
10. True  
11. True  
12. False. *Counting, not measurement, gives* an exact number of items.  
13. False. The mole can be used to count *any items*.  
14. True  
15. True  
16. False. You can find the number of entities in a sample by *multiplying* the amount by Avogadro’s constant.  
17. False. The percentage composition of MgO is 60 % Mg and 40 % O.  
18. False. *Not* all compounds have different percentage compositions. *Many compounds have the same percentage composition.*  
19. True  
20. True