Answer Key

1. 3
2. 1
3. 1
4. 4
5. 1
6. 3
7. 3
8. 4
9. 1
10. 1
11. 2
12. 3
13. 3
14. 3
15. 2
16. B, same volume as A but, has a greater mass
17. Yellow = 4.5 g/ml, green = 8.0 g/ml, red = 3.3 g/ml, orange = 1.0 g/ml, blue = 1.2 g/cm3, pink = .8 g/cm3
18. Green
19. Orange
20. neither

Top of column

Orange liquid with the pink star floating in it and the blue cube between the orange and the red liquid

Red liquid

Yellow liquid

Green liquid

Bottom of column