In the Know: Chapter 1

1. Do you know all the safety procedures that you need to follow?
2. What is matter?
3. What is mass?
4. What is the unit of measure for mass?
5. What is volume?
6. What is the unit of measure for volume?
7. When given a random object can you identify its mass and volume?
8. When given a random liquid can you identify its mass and volume?
9. Can you convert units of measure from one form to another (mL to L)?
10. What are the four points of the particle model?
11. Can you use the particle model to explain the difference between a solid, liquid and a gas?
12. How is matter classified?
13. What is the difference between a pure substance and a mixture
14. What is the difference between a physical and chemical combination?
15. What are the two types of mixtures?
16. What is the difference between a compound and an element?
17. What is the difference between a molecule and a compound?
18. What are the types of pure substances?
19. What are non-characteristic properties?
20. What are characteristic properties?
21. What are physical properties of matter?
22. What are chemical properties of matter?
23. Can you identify 10 physical properties of matter and know there meaning?
24. How do you identify chemical properties of matter?
25. Can you calculate density, mass and volume from the density formula?
26. What is the unit of measure for density?
27. Can you list all the reaction to indicators and what they are checking for?
28. What are the two types of homogeneous mixtures?
29. What are the two components that make up a solution and can you identify their differences?
30. What is concentration?
31. Can you calculate concentration, mass and volume from the concentration formula?
32. What is the unit of measure for concentration?
33. What unit must you use for volume in the concentration formula?
34. What unit must you use for volume in the density formula?
35. What is the difference between concentration and density?
36. What does it mean to dilute a solution?
37. Can you identify the steps you need to follow in a lab situation?
38. Can you find the density of an object in a lab situation?
39. Do you know how to calculate percent concentration?
40. Do you know how to calculate the amount of grams or mL of a substance when given the % concentration?