**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Chapter 7 Review- Solutions**

1. **What is a mixture?**
2. **What is a heterogeneous mixture?**
3. **What are the three kinds of heterogeneous mixtures studied this chapter?**
4. **What is a suspension?**
5. **Give an example of a suspension.**
6. **What is a colloid?**
7. **Given an example of a colloid.**
8. **What is an emulsion?**
9. **Given an example of an emulsion**
10. **True or False: all colloids are emulsions.**
11. **What is a homogeneous mixture also called?**
12. **What does a solution look like?**
13. **What are the two parts to a solution?**
14. **What is the difference between a solute and a solvent?**
15. **Which is found in smaller quantity solute or solvent?**
16. **What the special name given to a solution of solids like bronze?**
17. **What is known as the universal solvent?**
18. **What kind of molecule is water?**
19. **What properties are unique to water because it is a polar molecule?**
20. **What is meant by the term like dissolves like?**
21. **What does it mean if something is soluble?**
22. **What does it mean if something is insoluble?**
23. **What is meant by the term solubility?**
24. **What is the difference between a strong and weak solution?**
25. **What is meant by the term concentration?**
26. **What is the difference between a dilute and concentrated solution?**
27. **What is meant by the term unsaturated?**
28. **What is meant by the term saturated?**
29. **What is meant by the term supersaturated?**
30. **What is the formula to calculate molarity? Write it below.**
31. **I have a solution with 4.2 moles of solute in 2 L of solvent. What is its concentration in molarity?**
32. **How many moles of solute must I add to 0.5 L of water if I want a solution with a concentration of 6M?**
33. **How many liters of a 5M solution can be made using 0.5 moles of solute?**
34. **How many grams of KBr are required to make a 0.5 L solution of 0.75 M? (molecular mass of KBr is 119.0 grams/mole)**