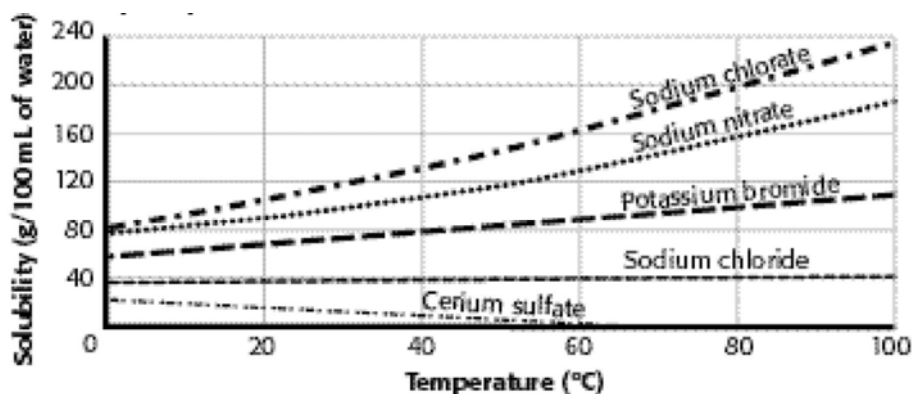


Directed Reading A *continued*

13. In a solution, the _____ is the substance that is dissolved, and the _____ is the substance in which it is dissolved.
14. Salt is _____ in water because it dissolves in water.
15. When two gases or two liquids form a solution, the substance that is present in the largest amount is the _____.
16. A solid solution of metals or nonmetals dissolved in metals is a(n) _____.
17. What can particles in solution NOT do because they are so small?

CONCENTRATION OF SOLUTIONS

18. A measure of the amount of solute dissolved in a solvent is called _____.
19. What is the difference between a dilute solution and a concentrated solution?
-
-
20. The ability of a solute to dissolve in a solvent at a certain temperature and pressure is called _____.

Directed Reading A *continued*

- _____ 21. Look at the graph. Which solid is less soluble at higher temperatures than at lower temperatures?
- sodium chloride
 - sodium nitrate
 - potassium bromide
 - cerium sulfate
- _____ 22. Look at the graph. Which compound's solubility is least affected by temperature changes?
- sodium chloride
 - sodium nitrate
 - potassium bromide
 - cerium sulfate

Directed Reading A *continued*

23. Solubility of solids in liquids tends to _____ with an increase in temperature.
24. Solubility of gases in liquids tends to _____ with an increase in temperature.
25. What are three ways to make a sugar cube dissolve more quickly in water?

SUSPENSIONS

- _____ 26. Which of the following does NOT describe a suspension?
- a. Particles are soluble.
 - b. Particles settle out over time.
 - c. Particles can block light.
 - d. Particles scatter light.
27. Why are the particles in a snow globe considered a suspension?

COLLOIDS

28. What do gelatin, milk, and stick deodorant have in common?

Match the correct description with the correct term. Write the letter in the space provided.

- | | |
|---|---------------|
| _____ 29. a mixture of two or more uniformly dispersed substances | a. colloid |
| _____ 30. a mixture in which particles of a material are more or less evenly dispersed throughout a liquid or gas | b. solution |
| _____ 31. a mixture of particles that are large enough to scatter light but are not heavy enough to settle out | c. suspension |