

11. A _____ solution holds the maximum amount of a solute at a certain temperature.
12. A _____ contains more solute that can be dissolved at a certain temperature.
13. Which type of solution mentioned in #11-12 may you observe the presence of a precipitate?

14. Describe how solubility changes for each condition:

	<i>Solids</i>	<i>Gases</i>
<i>Increase temperature</i>		
<i>Decrease temperature</i>		
<i>Increase pressure</i>		
<i>Decrease pressure</i>		

15. Polar molecules dissolve in _____ solvents. Give an example of this: _____

16. Nonpolar molecules dissolve in _____ solvents. Give an example of this: _____

17. Acids _____ hydrogen ions. Give examples & describe the properties of acids:

18. Bases _____ hydrogen ions. Give examples & describe properties of bases.

19. _____ acids & bases break apart *completely* into ions. _____ acids & bases *do not* break apart completely into ions.

20. Describe how the strength of acids & bases can be measured.

21. On the pH scale, acids have a pH of _____ & bases have a pH of _____. Neutral compounds have a pH of _____.

22. When an acid or base is neutralized, it forms a _____ & _____.

23. What is an alloy?

How is an alloy made?

Give an example of an alloy.