Drag and drop (fill in the blank)

solute **solute** **solvent** **increases**
increases **decreases** **temperature** **nonpolar** **lower**
polar **electrolyte** **nonelectrolyte** **higher**

In a solution, the 1._____ does the dissolving and the 2._____ is the substance being dissolved. For solids dissolving in liquids, the speed of dissolving 3._____ with increased surface area, with increased temperature, and with stirring. For gases in liquids, the speed of solubility 4._____ with increased temperature and stirring, but 5._____ with increased pressure.

In general, polar solutes dissolve in polar solvents and do not dissolve in 6._____ solvents. Usually, nonpolar solvents dissolve nonpolar solutes and do not dissolve 7._____ solutes.

Solubility is usually express as the maximum number of grams of 8._____ that will dissolve in 100 grams of solvent at a certain 9. _____

A substance that forms charged ions in solution and can conduct electricity is called a(n) 10._____. A(n) 11._____ does not ionize in water and cannot conduct electricity. The boiling point of a water solution of any substance is 12._____ than the boiling point of water. The freezing point of a water solution of any substance is 13._____ than the freezing point of pure water.