If the statement is true write True, if the statement is false write the word that makes it true.

_____ 1. Stirring a solution will make the solute dissolve slower.

_____ 2. As the temperature of a liquid increases, the rate at which a solid solute dissolves decreases.

_____ 3. As the size of solute particles increases, the rate at which the solute dissolves increases.

_____ 4. Solutions form when a solute dissolves in a solvent.

_____ 5. Heat causes molecules on sugar to leave a sugar cube more rapidly when places in a solution.

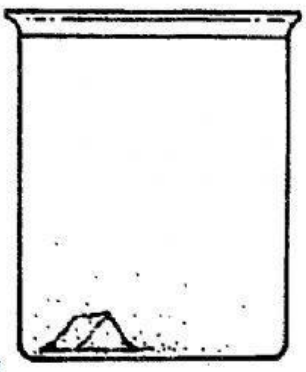
_____ 6. The rate at which a solid solute dissolves can be changed.

_____ 7. The larger the size of solute particles, the faster the solute dissolves.

_____ 8. A sugar cube dissolves faster in a glass of cold water than in a glass of hot water.

_____ 9. If you put a sugar cube in a glass of water and do not stir it, some of the sugar will dissolve.

_____ 10. A cool solvent dissolves less solute than an equal amount of warm solvent.



1. Is the solid at the bottom of the beaker completely dissolved? (yes no)

2. What would happen if the beaker and its contents were heated?
   (nothing it would dissolve slower it would dissolve faster)

3. Why would stirring the water cause the solute to dissolve faster? Stirring would bring fresh solute solvent in contact with the particles.
   This would have no effect increase the rate of dissolving decrease the rate of dissolving

4. What effect would crushing the solute have on the rate at which it dissolves?
   (not change decrease the rate of dissolving increase the rate of dissolving)