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 <u>slower</u> .
2. As the temperature of a liquid increases, the rate at which a solid solute dissolves <u>decreases</u> .
3. As the size of solute particles <u>increases</u> , the rate at which the solute dissolves increases.
4. Solutions form when a <u>solute</u> dissolves in a solvent.
5. <u>Heat</u> causes molecules on sugar to leave a sugar cube more rapidly when placin a solution.
6. The rate at which a solid solute dissolves <u>can</u> be changed.
7. The <u>larger</u> the size of solute particles, the faster the solute dissolves.
8. A sugar cube dissolves <u>faster</u> 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 <u>less</u> 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)