Molarity simulation

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Please go to: <https://phet.colorado.edu/sims/html/molarity/latest/molarity_en.html>

1. click on the lay button to run the simulation; click on show values to display all numeric values and explore the simulation.
2. For each solute determine if the solution is saturated or unsaturated at a 1 Molar solution

|  |  |
| --- | --- |
| Solute | Saturated or unsaturated |
| Drink mix |  |
| Cobalt(II) nitrate |  |
| Cobalt chloride |  |
| Potassium dichromate |  |
| Gold (III)chloride |  |
| Potassium chromate |  |
| Nickel (II) Chloride |  |
| Copper Sulfide |  |
| Potsssium permanganate |  |

1. If you change the solute amount but keep the solution volume the same what happens to the Molarity?
2. If you change the solution volume but keep the solute amount the same what happens to the Molarity?
3. What is the relationship between solute amount and Molarity?
4. What is the relationship between solution amount and Molarity?