

## Saturated Solutions Readers Theatre Script

Developed by Dr. Rosalind M. Flynn with Mr. Gregal's Class  
Lafayette Elementary School \* Washington, DC

- 1     Want some Kool Aid?  
2     Sure. Just mix that powder with the water.  
1     [gesture] [sound effect]  
Evens What's all that nasty stuff on the bottom of the pitcher? [sound effect]  
3     Pardon me, but your solution is obviously saturated.  
Evens Huh? English please!  
5     A solution is composed of a solute that has dissolved into a solvent.  
Evens Solution? Solute? Solvent? [gesture]  
4     What in the world are they?  
7     A solution is when a solid dissolves into a liquid.  
6     Oh I get it, like the ocean.  
8     Or iced tea.  
Evens Or like our Kool Aid! [gesture]  
5     Exactly!  
Odds Precisely. [gesture]  
10    Then, what's a solute?  
9     A solute is another word for a solid in a solution.  
12    Oh I get it, like the salt in the ocean water,  
14    or sugar in your ice tea,  
Evens or our Kool Aid powder!  
11    So I suppose you don't know what a solvent is either?  
14    Is she that new rapper?  
13    Not even close. A solvent is the liquid part of a solution.  
14    Doh! [gesture]  
15    Average minds are so slow.  
Odds Umm hmmm...We agree!  
16    Hey! We're smart in our own special way!  
18    Yeah we get it. A solvent is like the water in the ocean.  
20    Or the water in iced tea,  
Evens Or the water in our Kool Aid!  
2     Uh, okay, but why's all that nasty stuff still at the bottom of the pitcher?  
[gesture]  
3     Like I said before—your solution is saturated!
- 22    Solution, I remember. It's when a solid dissolves into a liquid. But why's it saturated?  
21    It's saturated because no more solute can dissolve in the solvent.  
Evens It can't take anymore! [gesture]  
4     I can't take much more of this in general.  
6     So the water in the Kool Aid is so full it can't take anymore Kool Aid powder?  
7     Exactly.  
Odds Precisely. [gesture]  
8     So what do we do now?  
9     I believe it's time for a review.  
Evens Do we have to?  
Odds If you want your Kool Aid!  
11    Define "solution!"  
Evens Solution – when a solid disappears in to a liquid.  
Odds Correct!  
13    Define "solute."  
Evens Solute – the solid in a solution.  
Odds A'okay.  
15    Define "solvent."  
Evens Solvent – the liquid in a solution.  
Odds Absolutely!  
17    Define "saturated."  
Evens Saturated – when a solution can't absorb any more of the solid. It's full!  
Odds You got it!!  
All   Time for Kool Aid!  
10    It probably won't taste good with so much powder.  
12    Saturated or not, I'm thirsty!  
Evens Me, too! [gesture]  
Odds 22 glasses of saturated solution coming up.  
Evens [gesture] [sound effect]  
3     By the way, what's your science grade?  
2     C+! Proud of it!  
19    Well, with our help you'll soon have...  
Odds A+! Proud of it!  
All   To be continued...