



Puzzle #16

### Chemical reaction in closed batch reactor

A "We-Make-it-All" product development technician is operating a fixed volume closed container batch reactor to make a test batch of miracle lotion "C". A known mass of starter material, "A", is put into the reactor and just heated so the "A" molecules rearrange their chemical bonds to form "B" molecules which then rearrange again to make the desired lotion molecules, the "C" molecules. After reviewing the data shown below the tech thinks there is something wrong.

**There is nothing wrong with this reactor system. (yes or no) Please submit your answers at [www.fl-ate.org](http://www.fl-ate.org)**