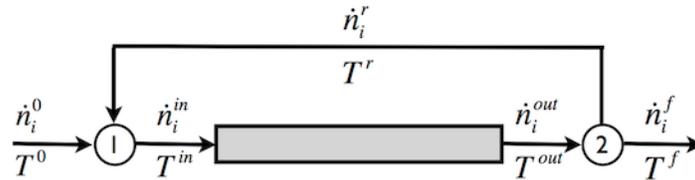


Unit 31. Pre-Class Quiz Questions



1. Which stream in the schematic above is used as the initial conditions when solving the PFR design equations
 - a. 0
 - b. in
 - c. out
 - d. f
 - e. r
2. The recycle ratio is defined as the ratio of the volumetric flow rates of which two streams
 - a. 0
 - b. in
 - c. out
 - d. f
 - e. r
3. When the recycle ratio becomes very large, the behavior of a recycle pfr approaches that of a
 - a. batch reactor
 - b. cstr
 - c. inverted pfr
 - d. recycle cstr
 - e. autothermal batch reactor
4. True or false? When the overall process inlet is specified, the solution of the design equations for the PFR usually involve a trial and error procedure.
5. True or false? The composition of streams "f" and "r" are identical.