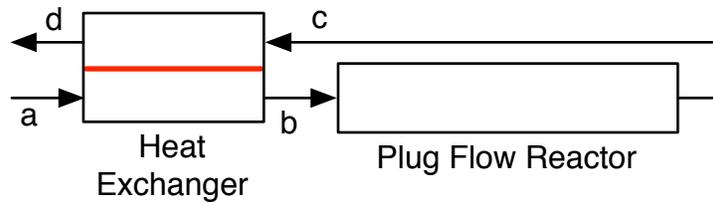


Unit 30. Pre-Class Quiz Questions



1. True or false? Adding thermal backmixing to a PFR is usually advantageous if an endothermic reaction is taking place.
2. In the figure above, which temperature is used as the initial condition when solving the PFR energy balance design equation
 - a. point a
 - b. point b
 - c. point c
 - d. point d
 - e. none of the points shown
3. In the figure shown above, which temperature is most likely to be specified in the problem statement?
 - a. point a
 - b. point b
 - c. point c
 - d. point d
 - e. none of the points shown
4. The cold approach is equal to the temperature difference between (choose 2)
 - a. point a
 - b. point b
 - c. point c
 - d. point d
 - e. the middle of the reactor
5. True or false? When more than one reaction takes place in a system like that shown, the heat exchanger equations and the plug flow reactor design equations are coupled and must be solved simultaneously.