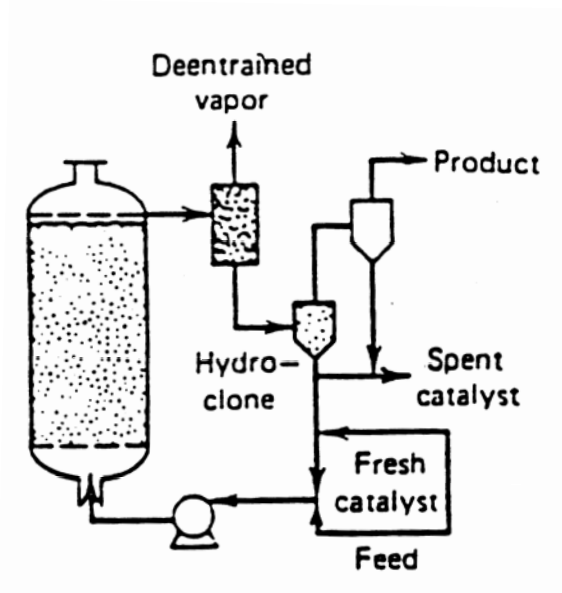


Figure 8-9 Slurry-Phase Reactor



Exercise 8-2:

1. What method of increasing contact among reactants is commonly used in column or tower reactors?
 - a. Trays or packing
 - b. High-velocity fluid streams
 - c. Mechanical compaction
2. What is one indirect method of heat transfer in reactors?
 - a. Feeding hot raw materials to the reaction
 - b. Filling the reactor with coolant
 - c. Circulating water through a reactor jacket
3. What is the term that describes all parts of a reactor that may contact chemicals?
 - a. Fouled
 - b. Reactive
 - c. Wetted
 - d. Corrosive
4. A tubular reactor is desirable for reactions when
 - a. excellent back-mixing is needed.
 - b. there is a minimum of mixing of products with reactants.
 - c. it is necessary to equalize the composition of the mixture.