



# Distillation Procedures and Exercises

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## Course Objectives

1. Identify typical distillation procedures including: pre-startup, startup, idling, shutdown, long-term shutdown, and emergency.
2. Identify potential problems associated with start up.
3. Complete exercises related to typical distillation system problems and activities.



## Key Terms (Define the following)

long-term shutdown - \_\_\_\_\_  
\_\_\_\_\_

pre-startup procedures - \_\_\_\_\_  
\_\_\_\_\_

startup procedures - \_\_\_\_\_  
\_\_\_\_\_



## Questions

1. A distillation column is brought close to its normal operating pressure before the feed mixture is added.  
 True  
 False
2. \_\_\_\_\_ procedures are used to suspend production in a column for a period of time, but the column continues to operate.  
 Start up  
 Shut down  
 Idling  
 Overload
3. Operating in total reflux is a form of \_\_\_\_\_ the column.  
 starting up  
 shutting down  
 idling  
 overloading