Distillation
Azeotropic and Extractive Columns

✅ Course Objectives

1. Describe the theory of an azeotropic mixture.

2. Describe methods of azeotropic distillation.

3. Describe methods of extractive distillation.

4. Distinguish between conventional, azeotropic, and extractive distillation systems.

5. Describe the process variables monitored in conventional, azeotropic, and extractive distillation system.

📕 Key Terms (Define the following)

azeotropes - _____

_____

entrainer - _____

_____

📝 Questions

1. Azeotropes are typically separated using a single distillation column.
   - ☐ True
   - ☐ False

2. The entrainer used in azeotropic distillation is removed from the column through
   _____.
   - ☐ the overhead product
   - ☐ the bottoms product

3. Extractive distillation processes can be used with azeotropic mixtures.
   - ☐ True
   - ☐ False