

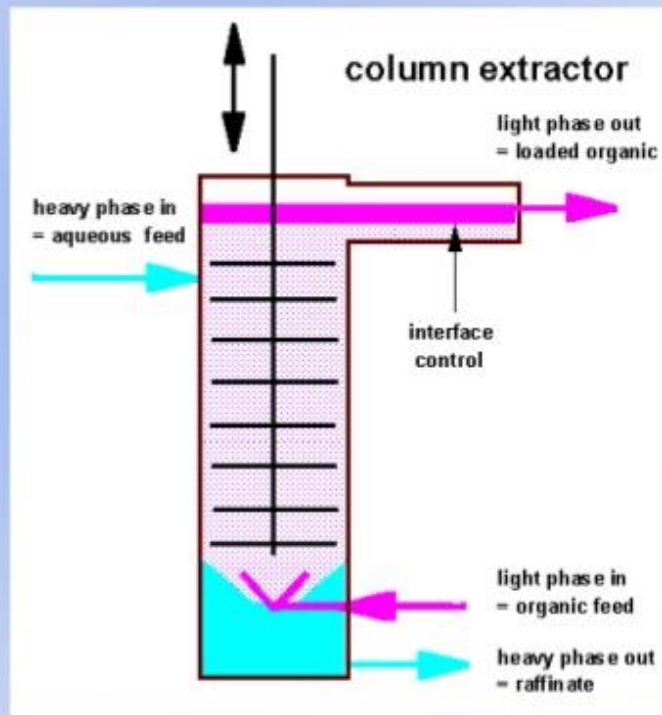
LECTURE # 12

Apparatus Used in Solvent Extraction



Equipments for Solvent Extraction

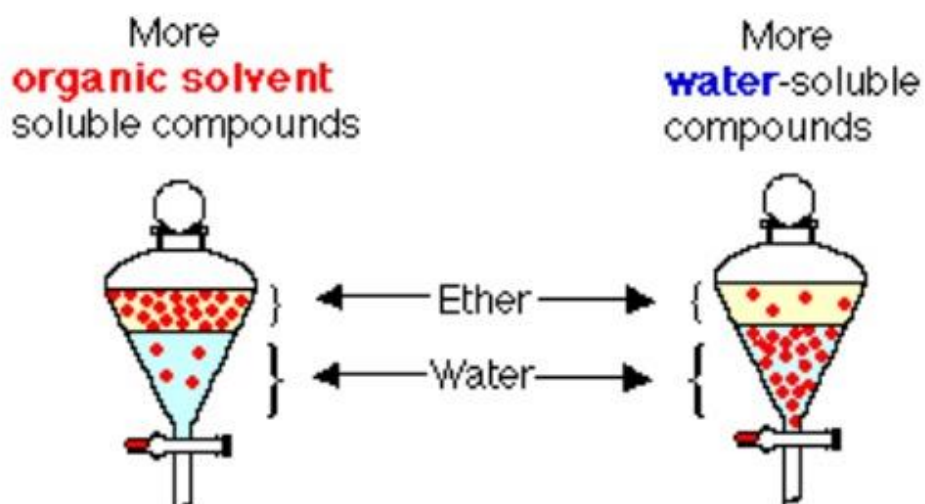
- **Column Contactor**





Single extraction (Batch)

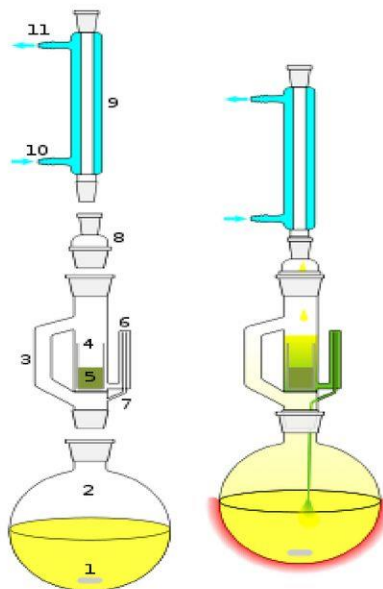
26



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Parts of Soxhlet extractor

- Stirrer bar
- Still pot
- Distillation path
- Thimble
- Solid
- Siphon top
- Siphon exit
- Expansion adapter
- Condenser
- Cooling water in
- Cooling water out



Solid liquid extraction

Soxhlet apparatus:

40

- Continuous hot percolation process or Soxhlet extraction Apparatus.

- The apparatus consists of three parts-

A flask: For boiling of solvent.

A Soxhlet extractor: Having the drug in thimble, a side tube & siphon tube

A reflux condenser: For condensation of vapors

