





Sr. No.	Name of Item	Figure	
1	Liquid-Liquid extraction in a packed tower	 <p>The image shows a vertical, light blue tubular packed bed reactor. At the top, a label reads "TUBULAR PACKED BED REACTOR FOR LIQUID - LIQUID EXTRACTION". The reactor consists of a central vertical tube filled with a white packing material. To the right of the tube, there are two vertical glass tubes, a pressure gauge, and a yellow warning triangle. The entire unit is mounted on a red base.</p>	
2	Absorption in sieve plate column	 <p>The image shows a vertical, light blue tubular sieve plate reactor. At the top, a label reads "TUBULAR SIEVE PLATE REACTOR FOR ABSORPTION". The reactor consists of a central vertical tube with several horizontal sieve plates. To the right of the tube, there are two vertical glass tubes, a pressure gauge, and a yellow warning triangle. The entire unit is mounted on a red base.</p>	

3	Absorption in packed bed		
4	Absorption wetted wall column		



5

Solid-liquid extraction (Bonnoto type )



6

Batch crystallizer



7



Continuous bubble cap distillation column



8

Steam distillation set-up



9	Vapour in air diffusion apparatus	 A photograph of a laboratory apparatus for measuring the diffusion of vapour in air. The apparatus is mounted on a red metal stand. It consists of a glass diffusion cell with a stopcock, connected to a blue control box with a digital display and two yellow buttons. The text "VAPOUR IN AIR DIFFUSION APPARATUS" is printed on the front of the stand.	
10	Solid in air diffusion apparatus	 A photograph of a laboratory apparatus for measuring the diffusion of a solid in air. The apparatus is mounted on a red metal stand. It features a vertical glass tube containing a solid sample, connected to a white control box with a pressure gauge, a yellow warning triangle, and a yellow button. The text "SOLID IN AIR DIFFUSION APPARATUS" is printed on the front of the control box.	

11

Experimental water cooling tower



12

Vapour -liquid equilibrium set-up

