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	Surface Tension Determination methods:
	The methods commonly employed for the determination of surface tension are:
1.	Capillary rise method (a) Single capillary rise method (b) Double capillary rise method
	Drop formation method (a) Drop member method (b) Drop weight method
3.	Ring-detachment method
4.	Maximum bubble pressure method
٤.	Wilhelmy plake method.
6.	Pendant drop method.
	Procedure:
1.	Thoroughly clean pyrnometer and stalagmometer with chromic acid and wash two times with fresh distilled water.
	fresh distilled water.
2.	Stalagmometer must be fixed in a vertical position using stand.
	Teacher's Signature

Observations:

- 1 Room temperature : °C
- 2. Weight of Empty byenometer = W1.
- 3 Weight of Pycnometer + Distilled water = Wz
- 4. Weight of Pycnometer + Liquid = W3.

Liquids	Number of drops				Specific gravity	Surface
/	I	II	Ш	Mean		tension.
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Calculations:

- 1. Weight of liquid = W3 WI.
- 2. Weight of distilled water = W2-W1
- 3. Specific gravity of liquid = (W2-W1)

 $Y_2 = \frac{P_2 n_1}{P_1 n_2}$

Calculate surface tension of other liquids by substituting data in place of distilled water using same equation.

	Date
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3.	Fill water in stolagmometer up to mark A and count total number of drops formed from mark A to B.
4.	Repeat step 3 at least 3 times for accuracy.
	Wash stalagmometer using same liquid of which surface tension is to be determined.
	Repeat step 3, 4, 5 for other chemicals.
	Defermine density of liquids by using pycometer.
	Result:
	Surface tension of the given liquid has been determined in the laboratory successfully.
	Teacher's Signature