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reagent is poured via the top chamber, which is connected to a tube that runs through the middle chamber. When the bottom chamber is completely filled, the middle chamber's stopcock is opened for a brief moment to expel the air. The liquid chamber and reacts with the solid reagent to produce the necessary gas, which can then be drawn off through the stopcock. Melting Point Apparatus A melting point apparatus is a device used to determine the melting point of the chemical compounds. The above-discussed thiele tube is one of the melting point apparatus. Other types may include the Fischer-Jhon apparatus, Gallenkamp (Electronic) melting-point apparatus, and automatic melting-point apparatus. Unlike the thiele tube, these apparatus do not require oil or any other chemical to determine the melting point of the given substance. instead, the sample is placed directly inside the apparatus with the help of a capillary tube. Digital Balance A digital balance is a device used to measure the weight of chemical reagents in the chemistry lab. They are highly sensitive and can even weigh 0.001 gm of a substance. For this reason, they are periodically calibrated and usually kept inside glass walls. When weighing the substances, the walls should be kept close to reduce any error in the measurement. Digital Colorimeter A digital colorimeter is a device used in a chemistry lab to determine the concentration of a known solute by measuring the absorbance of a particular wavelength of light by a given solution. Digital Colorimeter works on the principle of Beer-Lambart's law, which states that the absorbance of light by a solution is directly proportional to the concentration of the solution. This device includes a photoresistor that monitors light transmittance or absorbance through the sample, which is then utilized to calculate concentration.