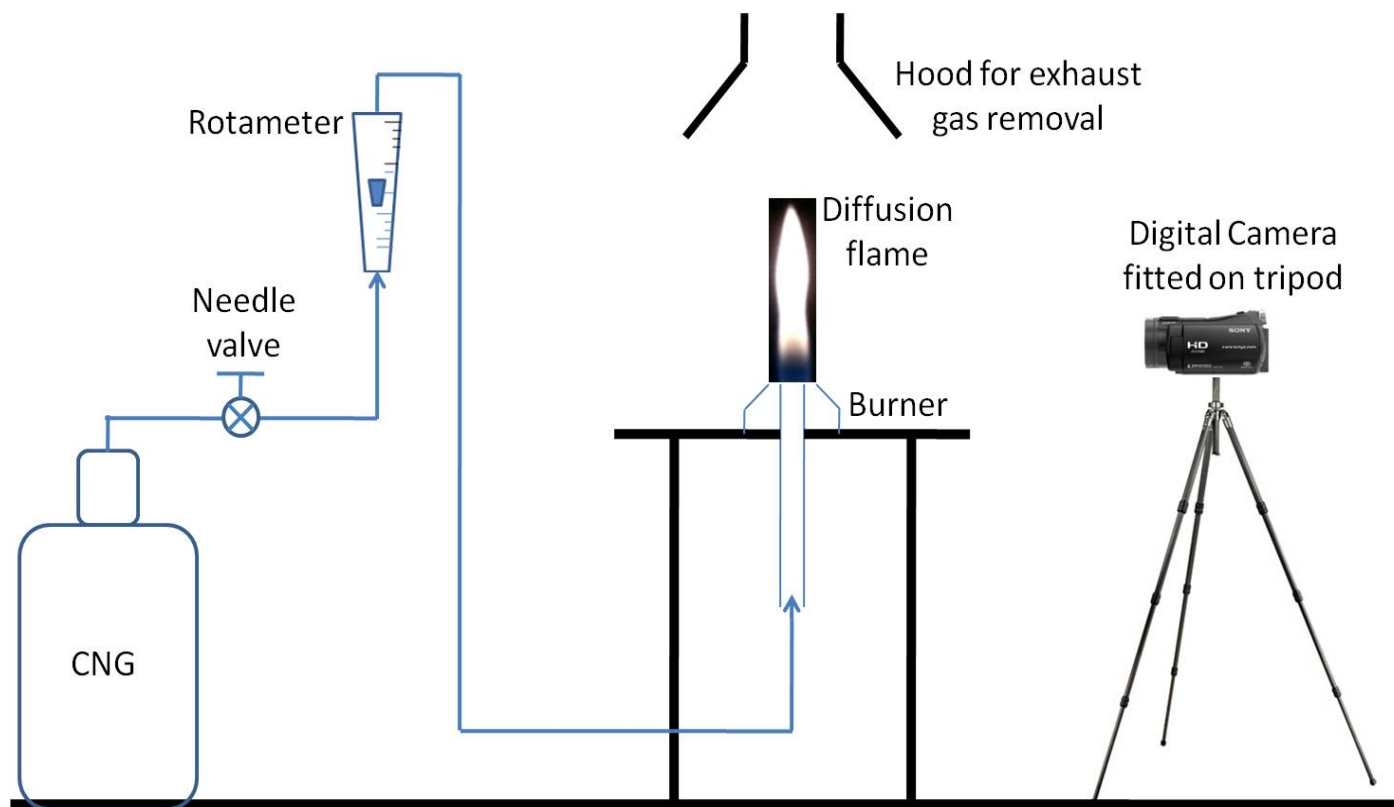




Expt 4: O



Experimental Setup



Experimental Procedure

- The CCD camera has to be positioned at a distance where the flame of maximum height can be captured. The camera should be aligned perpendicular to the front plane of the flame.
- Once the camera position is fixed, it should not be disturbed or moved to a new position in order to avoid variable magnification.
- CNG fuel is set to the desired flow rate using calibrated rotameter and ignited at the tube exit.
- At a particular fuel flow rate, video of the flame should be taken for certain time.
- This procedure is repeated for different fuel flow rates.
- The time period of video for each flame should be kept constant in order to extract equal number of frames from the videos.