

UVR: [Ultraviolet Radiations]

UVR is electromagnetic energy which is invisible to the human eye with the wavelength 10nm to 400nm

UVR lies between visible light and x-rays in the electromagnetic spectrum.

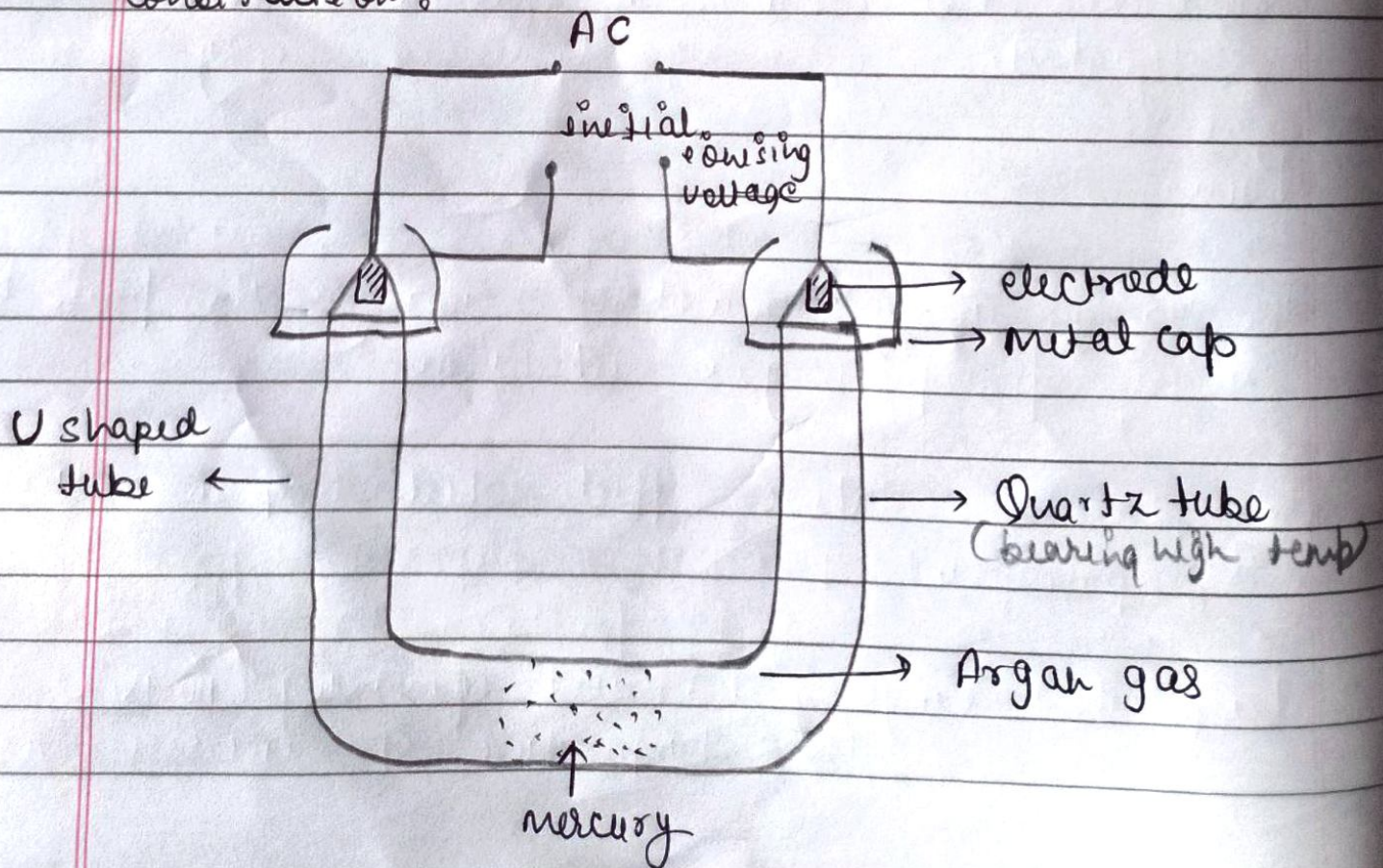
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Therapeutic UVR radiation may be divided into:

- UVA 315 to 400 nm
- UVB 280 to 315 nm
- UVC less than 280 nm

UVR Generators / Production of UVR

High pressure mercury vapour burner.

Construction:



It consists of U shaped burner made up of quartz which allows passage of UVR and can withstand high temperatures.

Tube is filled with argon gas at with low pressure.

A small quantity of mercury is also added in the tube and electrodes sealed at both ends to be covered with metal cap across which high potential difference is applied to ionise argon gas.