There are a variety of radiation filters used in UV-visible spectroscopy, each with its own specific purpose. Some of the most common types of filters include:

- UV cutoff filters: These filters block all UV radiation below a certain wavelength, typically 200-280 nm. They are used to protect the instrument and the user from harmful UV radiation.
- UV bandpass filters: These filters transmit a narrow range of UV wavelengths, while blocking all other wavelengths. They are used to select specific wavelengths for analysis.
- Visible filters: These filters transmit a narrow range of visible wavelengths, while blocking all other wavelengths. They are used to isolate specific colors of light for analysis.
- Interference filters: These filters produce a sharp, narrow band of transmitted wavelengths. They are used for high-resolution spectroscopy.
- **Neutral density filters**: These filters reduce the intensity of all wavelengths of light equally. They are used to control the brightness of the light source.

The type of filter used in UV-visible spectroscopy will depend on the specific application. For example, if the goal is to measure the absorption of a compound in the UV region, a UV cutoff filter or a UV bandpass filter would be used. If the goal is to measure the color of a compound, a visible filter would be used.

It is important to note that the use of filters can affect the accuracy of UV-visible spectroscopy measurements. For example, the use of a UV cutoff filter can reduce the sensitivity of the measurement. It is therefore important to choose the appropriate filter for the specific application and to carefully calibrate the instrument.