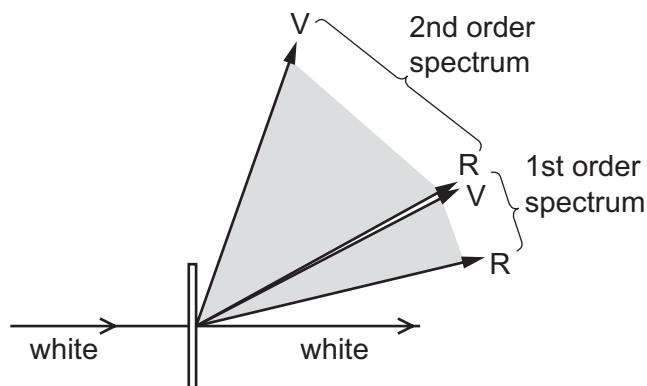


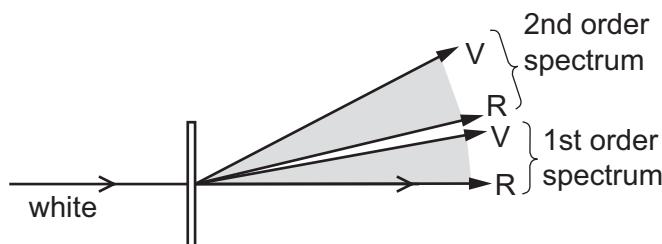
- 29 White light consists of many wavelengths. The wavelength of red light R is approximately twice the wavelength of violet light V. When white light is incident normally on a diffraction grating, several spectra can be formed.

Which diagram shows the possible distributions of light in the first order and the second order spectra?

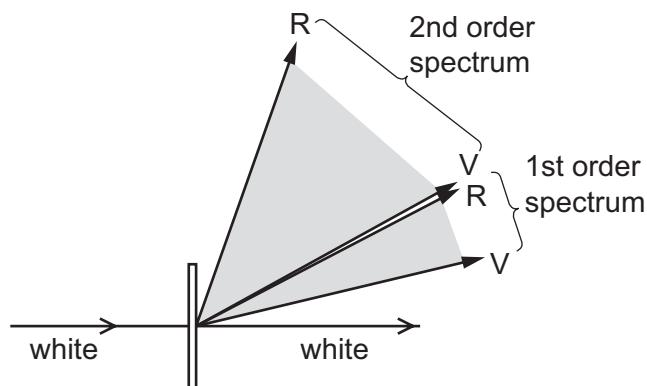
A



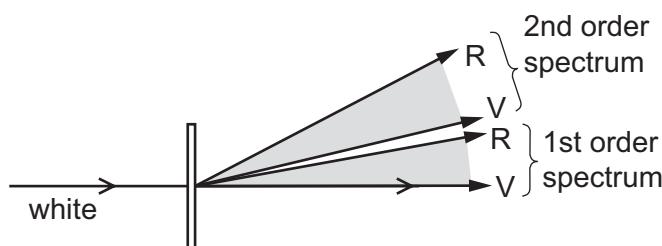
B



C



D



- 30 To produce a stationary wave, two waves must travel in opposite directions through the same