

- 24** Monochromatic light illuminates two narrow parallel slits. The interference pattern which results is observed on a screen some distance beyond the slits.

Which change increases the separation between the dark lines of the interference pattern?

- A** decreasing the distance between the screen and the slits
- B** increasing the distance between the slits
- C** using monochromatic light of higher frequency
- D** using monochromatic light of longer wavelength

- 25** A narrow beam of monochromatic light is incident normally on a diffraction grating. Third-order