

28 Coherent monochromatic light illuminates two narrow parallel slits and the interference pattern that 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** using monochromatic light of higher frequency
- B** using monochromatic light of a longer wavelength
- C** decreasing the distance between the screen and the slits
- D** increasing the distance between the slits

29 Monochromatic light of wavelength 500 nm is incident normally on a diffraction grating. The angle