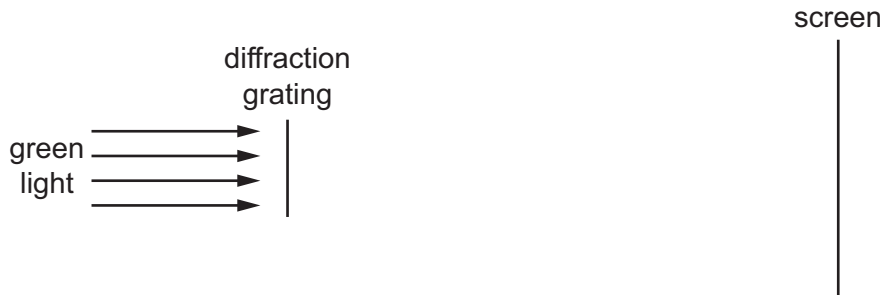


- 29 Green light is incident normally on a diffraction grating and forms a diffraction pattern on a distant screen.



Which change, on its own, would **decrease** the separation of the diffraction maxima on the screen?

- A Increase the distance between the screen and the diffraction grating.
- B Replace the diffraction grating with a grating that has a smaller separation between the slits.
- C Replace the diffraction grating with a grating that has fewer slits per unit length.
- D Replace the green light with red light.