

29 A parallel beam of white light is incident normally on a diffraction grating. It is noted that the second-order and third-order spectra partially overlap.

Which wavelength in the third-order spectrum appears at the same angle as the wavelength of 600 nm in the second-order spectrum?

A 300 nm

B 400 nm

C 600 nm

D 900 nm

20 The diagram shows a pair of metal plates 1.0 mm apart connected to a 9.0 V battery.