

- 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

- 30** The diagram shows a pair of metal plates 4.0 mm apart connected to a 9.0 V battery.