

- 30** A diffraction grating and a screen are used to determine the single wavelength λ of the light from a source.

What is an essential feature of this experiment?

- A** A curved screen must be used.
- B** The diffraction angle θ must be measured for at least two interference maxima.
- C** The light waves incident on the grating must be coherent.
- D** The third order intensity maximum must be produced.

- 31** A small hole is made in the metal plate of a cathode ray tube. The hole is