

**25** Continuous water waves are diffracted through a gap in a barrier in a ripple tank.

Which change will cause the diffraction of the waves to increase?

- A** increasing the frequency of the waves
- B** increasing the width of the gap
- C** reducing the wavelength of the waves
- D** reducing the width of the gap

**26** A parallel beam of light of wavelength  $450\text{ nm}$  is incident normally on a diffraction grating which