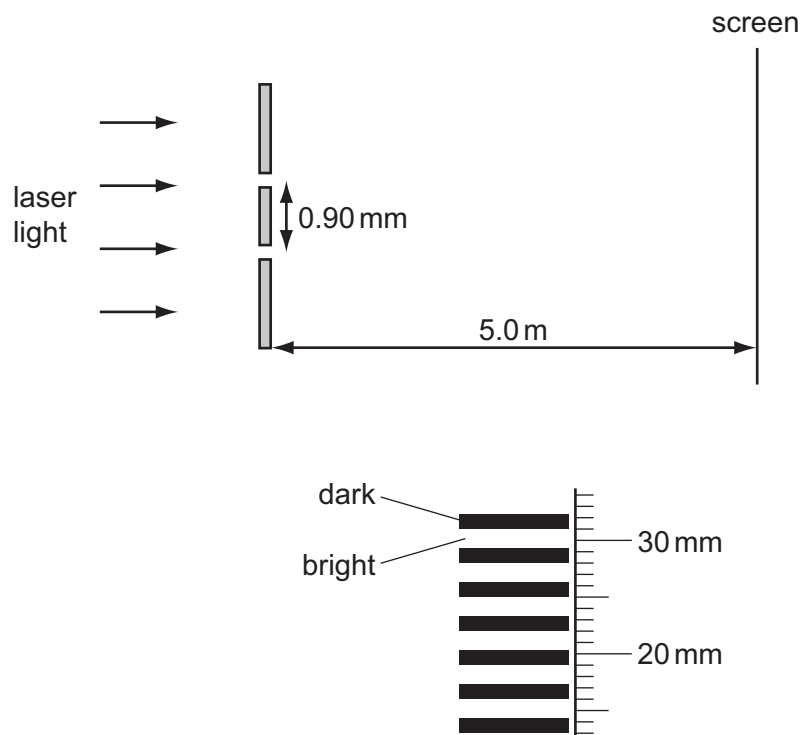


28 In which situation does diffraction occur?

- A A wave bounces back from a surface.
- B A wave passes from one medium into another.
- C A wave passes through an aperture.
- D Waves from two identical sources are superposed.

29 The diagrams show the arrangement of apparatus for a Young's slits experiment and also part of the pattern formed on the screen with a ruler placed next to it.



What is the wavelength of the light?

- A $4.8 \times 10^{-7} \text{ m}$ B $5.4 \times 10^{-7} \text{ m}$ C $3.2 \times 10^{-6} \text{ m}$ D $3.4 \times 10^{-6} \text{ m}$

Space for working