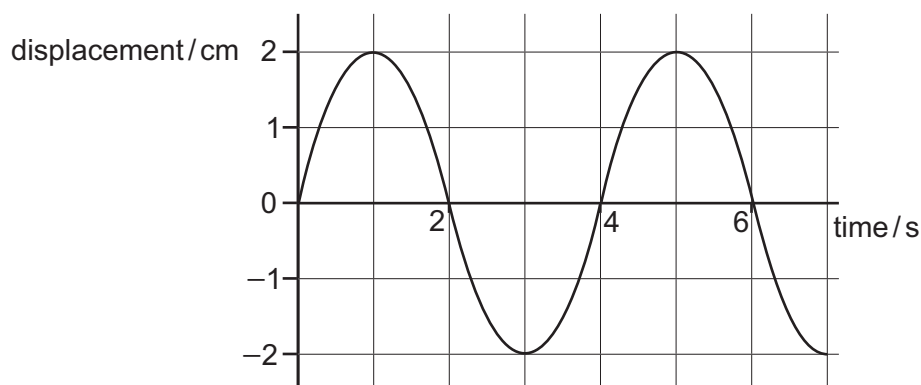


- 26 Which electromagnetic wave would cause the most significant diffraction effect for an atomic lattice of spacing around 10^{-10} m?
- A infra-red
 - B microwave
 - C ultraviolet
 - D X-ray

- 27 The graph shows how the displacement of a particle in a wave varies with time.



Which statement is correct?

- A The wave has an amplitude of 2 cm and could be either transverse or longitudinal.
- B The wave has an amplitude of 2 cm and must be transverse.
- C The wave has an amplitude of 4 cm and could be either transverse or longitudinal.
- D The wave has an amplitude of 4 cm and must be transverse.

Space for working