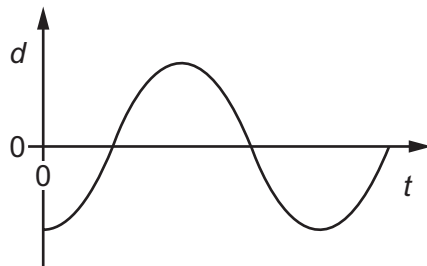
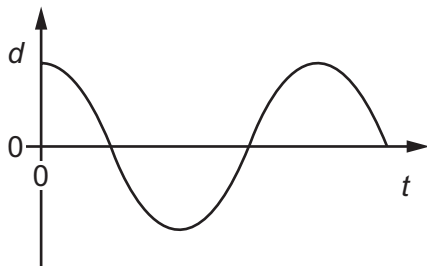


- 22** Two particles in a progressive wave are a distance 10 cm apart. The two graphs show the variation with time t of the displacement d of the two particles.



What could be represented by the two graphs?

- A** particles in a longitudinal wave with a compression and the nearest rarefaction separated by 10 cm
- B** particles in a longitudinal wave with a compression and the nearest rarefaction separated by 20 cm
- C** particles in a transverse wave with a peak and the nearest trough separated by 20 cm
- D** particles in a transverse wave with two adjacent peaks separated by 10 cm