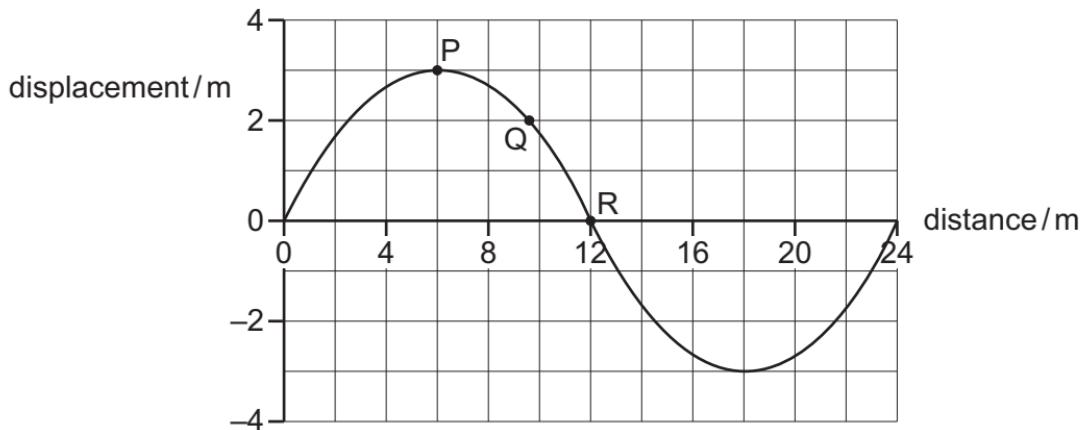


- 24** The graph shows the variation with distance along the wave of the displacement of water particles at a particular instant in time for a transverse water wave.



P, Q and R show the positions of three water particles in the wave.

Which particle has the greatest speed at the instant shown?

- A** all have the same speed
- B** particle P
- C** particle Q
- D** particle R

- 25** Which wave is longitudinal and associated with