

- 29** Two waves, each with a constant amplitude, interfere and produce an interference pattern. The pattern has minima at fixed points where the displacement is zero at all times.

Which statement describes the two waves?

- A** They must be coherent and of the same amplitude.
- B** They must be coherent but not necessarily of the same amplitude.
- C** They must be of the same amplitude but not necessarily coherent.
- D** They must not be coherent or of the same amplitude.