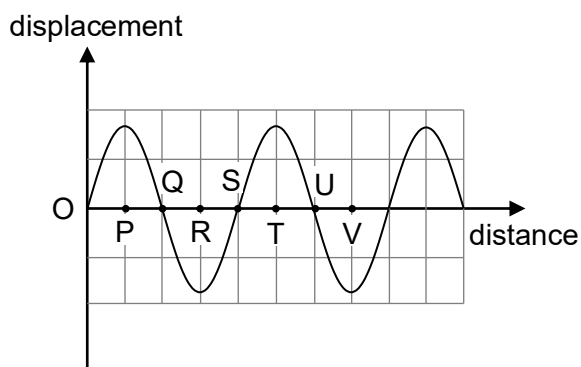


- 16** The figure below shows the variation of displacement with distance, of air molecules from source O in a longitudinal progressive wave at a particular instant. The displacement to the right is taken to be positive.



Which statement is correct?

- A** Points P, Q, R, S, T, U and V are compressions.
- B** Points P, Q, R, S, T, U and V are rarefactions.
- C** Points Q and U are rarefactions and point S is a compression.
- D** Points Q and U are compressions and point S is a rarefaction.