

- 19 As the intensity of a single frequency sound wave travelling through the air is increased, how do the maximum speed of vibration of the air molecules and the speed of wave travel change?

| | maximum speed of vibration of air molecules | speed of wave travel |
|---|--|----------------------|
| A | increase | increase |
| B | increase | no change |
| C | no change | increase |
| D | no change | no change |