

NEXT-TIME QUESTION

When playing a violin, the effect produced when the bow is drawn faster across the strings is



- a) a higher pitch.
- b) greater wave velocity in the strings.
- c) a louder sound.
- d) all of the above.
- e) none of the above... no discernable effect.



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Answer: c, a louder sound

Rosin on the bow ensures enough friction between the string and bow to tug the string sideways, where it snaps back to produce the vibration needed for sound. A faster-moving bow tugs the string farther, increasing the amplitude. This produces a louder sound.

The pitch remains the same, having only to do with the tension in the string and its length. Same pitch means same wave velocity in the strings.

