

- 10** Graham is lying in the bath listening to music and tapping along with his foot in time to the music. This creates small waves in the water in the bathtub. One song ends and another one with a faster beat begins, such that he taps his foot faster. When this happens,
- A** the frequency of the waves increases, and the velocity of the waves stays the same
 - B** the frequency of the waves increases, and the wavelength stays the same
 - C** the frequency of the waves increases and the velocity of the wave increases
 - D** the wavelength of the waves decreases and the velocity increases