

- 27** A continuous progressive water wave in a ripple tank passes through a gap in a barrier and diffracts.

The width of the gap is greater than the wavelength of the wave.

Which change causes the wave to spread over a larger angle as it passes through the gap?

- A** a small decrease in the wavelength of the wave
- B** a small decrease in the width of the gap
- C** a small increase in the frequency of the wave
- D** a small increase in the height of the barrier