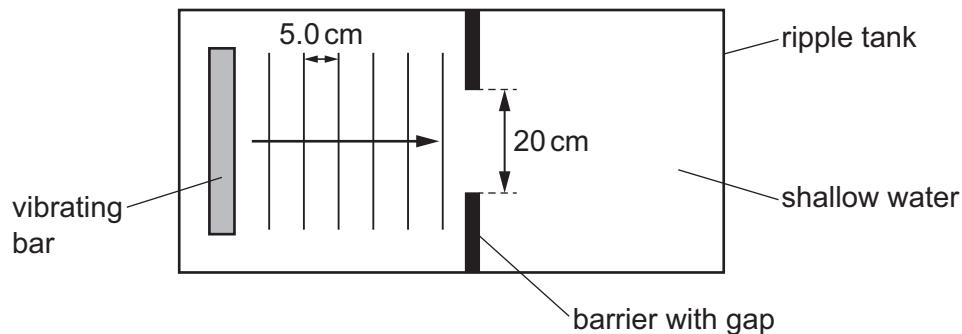


- 30** A vibrating bar produces surface water waves in a ripple tank.

The wavelength of the waves is 5.0 cm and they pass through a gap of width 20 cm.



Which change will increase the amount of diffraction that is observed?

- A** decreasing the distance between the bar and the gap
- B** decreasing the frequency of the wave
- C** increasing the amplitude of the wave
- D** increasing the width of the gap