

1 Ultrasound can be used to investigate the structure of organs of the human body using the pulse-echo technique.

The level of detail obtained depends on the wavelength and the length of the pulses.

Which line of the table shows a change to wavelength and a change to pulse length that would each improve the level of detail?

	Wavelength	Pulse length
<input type="checkbox"/> A	decrease	decrease
<input type="checkbox"/> B	increase	decrease
<input type="checkbox"/> C	decrease	increase
<input type="checkbox"/> D	increase	increase

(Total for Question 1 = 1 mark)