

25 A stationary source S emits a sound wave of frequency f .

The source now moves away from a stationary observer.

Which statement is correct?

- A** The frequency of the source S and the observed frequency are now both higher than f .
- B** The frequency of the source S and the observed frequency are now both lower than f .
- C** The frequency of the source S is now lower than f .
- D** The observed frequency is now lower than f .

26 The table lists possible wavelengths of four different electromagnetic waves.

Which row is correct?

	type of wave	approximate wavelength / m
A	infrared	10^{-5}
B	radio	10^{-3}
C	ultraviolet	10^{-12}
D	X-rays	10^{-7}