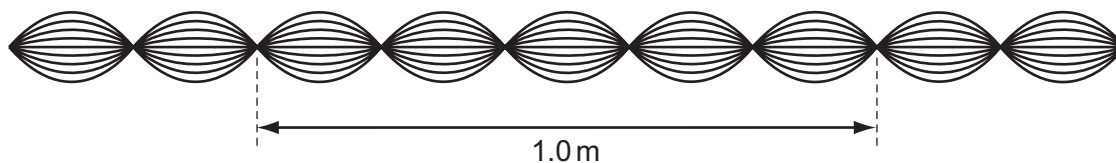


**25** The diagram shows a sketch of a wave pattern, over a short period of time.



Which description of this wave is correct?

- A** The wave is longitudinal, has a wavelength of 20 cm and is stationary.
- B** The wave is transverse, has a wavelength of 20 cm and is stationary.
- C** The wave is transverse, has a wavelength of 40 cm and is progressive.
- D** The wave is transverse, has a wavelength of 40 cm and is stationary.

**26** Which statement about a light wave and a sound wave is correct?

- A** Both can be polarised.
- B** Both can travel through free space.
- C** Both have a frequency inversely proportional to their wavelength.
- D** Both have an intensity proportional to their amplitude.

**Space for working**