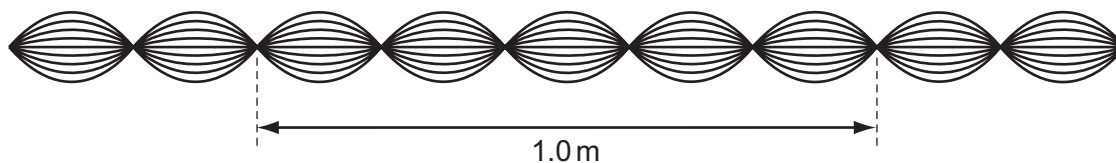


**25** The diagram shows a sketch of a wave pattern, over a short period of time.



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**