

- 24** Which statement about sound waves in air at constant temperature is correct?
- A** Amplitude is inversely proportional to velocity.
  - B** Frequency is inversely proportional to wavelength.
  - C** Velocity is proportional to wavelength.
  - D** Wavelength is proportional to amplitude.
- 25** Which electromagnetic wave phenomenon is needed to explain the spectrum produced when white light falls on a diffraction grating?
- A** coherence
  - B** interference
  - C** polarisation
  - D** refraction

**Space for working**