

- 7 A student investigates the absorption of gamma radiation by lead. She determines the background radiation count rate before she starts the investigation.

Which of the following would **not** affect her value for the background count rate?

- ☐ A the place where she made the measurement
- ☐ B the temperature of the surroundings
- ☐ C the time interval for the background count
- ☐ D the type of radiation detector she used

(Total for Question 7 = 1 mark)