

Q1.

Answer the question with a cross in the box you think is correct (☒). If you change your mind about an answer, put a line through the box (☒) and then mark your new answer with a cross (☒).

This question is about using radioactivity and nuclear energy.

(i) Gamma ray irradiation of food kills harmful bacteria by using

(1)

- A** ionising particles
- B** ionising radiation
- C** non-ionising particles
- D** non-ionising radiation

(Total for question = 1 marks)

Q2.

(a) In some countries food is sold with this label.



This food has been deliberately exposed to gamma radiation.
Complete the sentence by putting a cross (☒) in the box next to your answer.
The gamma radiation is used to

(1)

- A** produce cancer cells in the food
- B** kill cancer cells in the food
- C** kill microbes in the food
- D** make the food radioactive.

(Total for Question = 1 marks)

Q3.

Radioactive substances are used in the generation of electricity.

State **two** other uses of radioactive substances.

(2)

1

.....

2

.....

(Total for question = 2 marks)

