

Q1. Scientists estimate that about one third of cancers in the UK may be linked to obesity.

Name **two** diseases linked to obesity.

Do **not** give cancer as one of your answers.

1

2

(2)

(Total 2 marks)

Q2. The concentration of cholesterol in the blood affects people's health.

(a) Give **two** factors that affect the concentration of cholesterol in the blood.

1

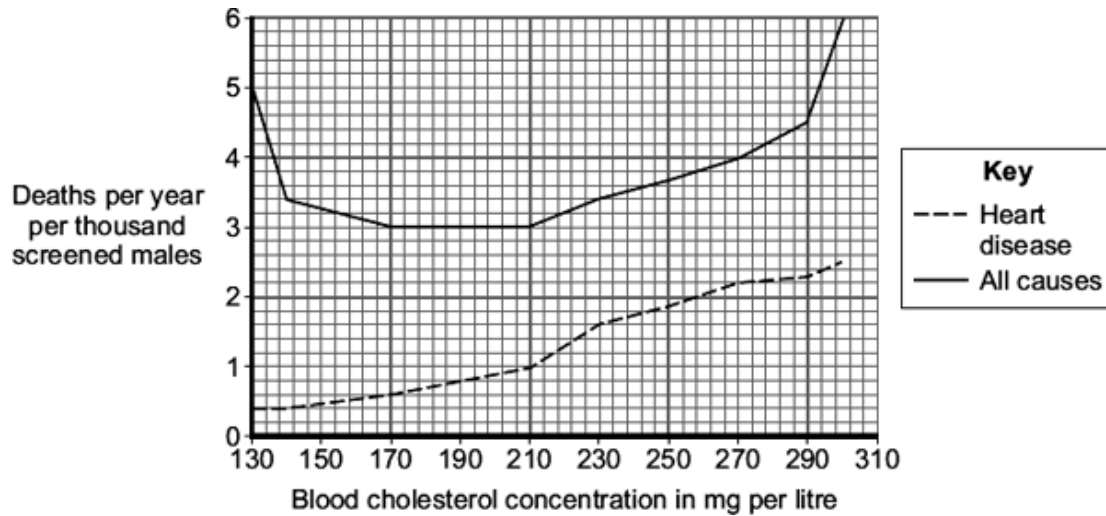
2

(2)

- (b) Doctors screened men for blood cholesterol concentration.

The doctors then compared death rates from heart disease with deaths from all causes in this screened group.

The graph shows the results.



- (i) Which is the best conclusion that can be drawn from the data?

Tick (✓) **one** box.

There is a positive correlation between blood cholesterol concentration and deaths from all causes.

☐

There is a negative correlation between blood cholesterol concentration and deaths from all causes.

☐

Blood cholesterol concentration is only one of several factors affecting death from all causes.

☐

(1)

- (ii) Based on the data in the graph **only**, which is the ideal range for blood cholesterol concentration?

Range to..... mg cholesterol per litre.

(1)

(Total 4 marks)

